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SEVENTEENTH REPORT

OF THE

SCIENCE AND ART DEPARTMENT

OF THE

COMMITTEE OF COUNCIL ON EDUCATION,

WITH APPENDIX.

108786

Presented to both Houses of Parliament by Command of Her Majesty.

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SEVENTEENTH REPORT

OF THE

SCIENCE AND ART DEPARTMENT

OF THE

COMMITTEE OF COUNCIL ON EDUCATION.

TO THE QUEEN'S MOST EXCELLENT MAJESTY.

MAY IT PLEASE YOUR MAJESTY,

WE, the Lords of the Committee of Your Majesty's Privy Council on Education, humbly present to Your Majesty this our Report of the Science and Art Department for the year 1869.

The Report is arranged under the following heads :—

I.—Aid given towards the promotion of instruction in Science applicable to Industry.

II.—Aid given towards the promotion of instruction in Elementary Drawing as a part of National Education, and in Fine Art as applied to Industry.

III.—The administration of the South Kensington Museum, the central repository for objects of Science and Art, which, as far as practicable, are made available throughout the United Kingdom.

IV.—Other Museums supported by the State through the Science and Art Department.

V.—The Geological Survey.

VI.—Institutions and Societies which receive aid from the State, subject to the superintendence of the Science and Art Department.

VII.—Summary.

I.—AID GIVEN TOWARDS THE PROMOTION OF INSTRUCTION IN SCIENCE.

(*a.*) *Elementary Scientific Instruction.*

Extension of Elementary Scientific Instruction.

1. A very satisfactory increase continues to be maintained in the number both of the Science schools and of the

students under instruction in them from year to year, as will be seen from the following table of the returns from 1865 to 1869 :—

	No. of Schools.	No. under Instruction.
1865	120	5,479
1866	153	6,835
1867	212	10,230
1868	300	15,010
1869	516	21,500

In this table every institution in which scientific instruction is given is counted as a school, though the subjects taught and the number of classes in them vary much. In some instances a school consists of but one class, in which only one subject is taught, while in others there are several classes in different subjects. The 516 schools in 1869 comprised about 1,456 different classes. 12,988 students of these classes came up for examination in May, besides 246 self-taught students and pupils of classes not under certificated teachers. The results as compared with those of the two previous years are as follows :—

—	No. examined.	No. of Papers worked.	No. of Papers passed.	Prizes.
1867	4,520	8,213	6,013	3,453
1868	7,092	13,112	8,649	5,246
1869	13,234	24,085	14,550	1,969

At the examinations for seafaring men held in March, September, and December about 50 persons were examined in addition to the above.

Examination.

2. The examinations were held in May at 437 centres, 389 provincial and 48 metropolitan. The payments to teachers on the results of instruction of the artizan classes, as tested by these examinations, amounted for the year 1869 to 17,015*l.* 15*s.*, being at the rate of 15*s.* 9*d.* for each person under instruction. In the previous year the rate was about 17*s.* 5*d.* The number of teachers paid was 486, the payments varying from 1*l.* to 236*l.* 10*s.*, the average being about 35*l.* per teacher. Grants were also made towards the purchase of apparatus, diagrams, and examples, amounting in the year to 357*l.* 15*s.* 5½*d.*, being an increase of 21*l.* 13*s.* 0¼*d.* on the year 1868, when they amounted to 336*l.* 2*s.* 5¼*d.* Prizes and medals to the value of 71*l.* 18*s.* 8*d.* were awarded on the results of this examination.

3. The latest returns, March 1870, show that the number of Science Schools had increased to 810; of these 561 were in England, 45 in Scotland, and 204 in Ireland. There were 2,204 classes in these schools, and the number of students taught in them was 29,956. This is an increase of 296 Schools and about 9,000 students over the corresponding returns for the preceding year, and is irrespective of the Navigation Schools, which do not send up pupils for examination, and, therefore, receive no payments on results of instruction from the Parliamentary vote. Number of Science Classes.

4. The first competition for *Whitworth Scholarships* took place last May, and 106 candidates competed in the theoretical examination. Of these 52 passed the qualifying examination, and 46 competed in the practical examination, which was held partly in London and partly in Manchester. In London, Messrs. Geo. Smith and Co., the eminent contractors, obligingly placed a portion of their workshops at our disposal for the practical examination; and in Manchester it was conducted at the works of the Whitworth Company. Sir Joseph Whitworth, Bart., under whose immediate superintendence the practical examination was conducted, expressed himself well pleased with the result. Col. Rich, R.E., one of the Inspectors of Railways for the Board of Trade, Mr. W. P. Marshall, Secretary of the Institute of Mechanical Engineers, and Mr. W. J. Hoyle, Secretary of the Whitworth Company, were the examiners appointed, on Sir Joseph's nomination, for the practical examination. The rules adopted for the practical examination in 1869 having been found rather cumbersome and expensive, we have, with Sir Joseph Whitworth's concurrence, made some changes in the method of procedure, the details of which will be found at p. 24. Whitworth Scholarships. Practical examination.

5. It is very satisfactory to find that the Minute providing for the establishment of Local Exhibitions, Elementary School Scholarships, and Science and Art Scholarships, is being largely taken advantage of, notwithstanding that a local contribution is now, in all cases, required as an absolute condition of aid from the Department. Towards a Local Exhibition the locality and the State each contribute 25*l.* Three Local Exhibitions were competed for last year, and 10 have been applied for, and will be competed for at the present examinations. Towards the Elementary School and the Science and Art Scholarships the locality contributes 5*l.*, which is supplemented in the former case by a grant of 5*l.*, and in the latter by a grant of 10*l.* from the Department. Of the Elementary Local Exhibitions, and Elementary and Science and Art Scholarships.

School Scholarships, 29 were competed for last May, and 65 will be competed for this May. Of the Science and Art Scholarships, 47 were competed for in 1869, and 62 will now be competed for. These several Exhibitions and Scholarships, which enable the poor student to remain at school and pursue his or her education, will no doubt have a good effect.

Effective co-operation of Local Committees.

6. We think it only right to call attention to the great exertions of the Local Committees, on whose zeal in the carrying out of the system of State aid to science instruction so much depends. It is through their agency that the examinations are held in all parts of the country. More than 2,000 examinations were so held in 1869. When it is remembered that each examination entails the presence generally of three members of the committee from 7 p.m. till 10 or 11 p.m., and that the examinations take place in many districts night after night for eight or ten nights, and in some even oftener, the zeal and attention of the Local Committees will be appreciated. Mistakes and irregularities have in some cases occurred, as might be expected, from the novel nature of the duties to some of the gentlemen. The employment, however, of a large number of Officers of Royal Engineers as local inspectors has, as in the previous year, been of great service in assisting the local committees and seeing that the rules were strictly adhered to. In this way about 500 of the examinations were visited. Engineer Officers have also been this year employed in the preliminary inspection of Science Schools. Through their agency nearly the whole of the schools have been inspected and reported on. Besides enabling the Department to keep a check on the instruction given, the information contained in these reports has been of great service in facilitating the amalgamation of committees and schools for examination. This will effect a great saving both in work and expense to the central administration, and will also diminish the calls upon the time of the members of the committees.

Inspection by Officers of Royal Engineers.

Teachers' visits to London.

7. In accordance with the provisions of the Minute of the 11th of March 1869 (see Appendix A., p. 27) advantage was taken of the teachers' visits to London to give them special instruction in the methods of teaching certain branches of Science. The instruction consisted of a course of lectures on the method of teaching Physiology in classes, by Dr. Michael Foster; a course on Light by Dr. Guthrie; and one lecture and a short course of Laboratory practice by Dr. Frankland, at the Royal College of Chemistry in Oxford

Street. Dr. Guthrie gave his course at the Royal School of Mines in Jermyn Street; Dr. Michael Foster in the Lecture Theatre of the South Kensington Museum. The object of these lectures was more especially to show easy and cheap methods of experimental demonstrations to classes. 253 students availed themselves of the lectures, 169 attended both courses, besides which 35 attended the course on Light only, and 49 that on Physiology only, and 153 attended the College of Chemistry.

Building grants.

8. Building grants were first extended to Science Schools in 1868. They have during the past year been sanctioned to Keighley and Burslem, and applications for grants to Lambeth, Southampton, Portsmouth, and Kendal are under consideration.

Special Local Secretaries.

9. The appointment of special local secretaries for towns where there are many examinations appears to be working well. We trust by some further changes next year to reduce the labour of the Committees still more. Further details with respect to the Science Division will be found in the Report of the Official Inspector for Science, Captain Donnelly, R.E., at p. 45.

(*b.*) *Advanced Scientific Instruction.*

Royal School of Mines.

10. *The Royal School of Mines.*—The number of students attending the entire course of instruction for the diploma of Associate during the session 1868–69 has been 17, inclusive of the Royal Exhibitioners. This was an increase of five on the number in the previous session. Occasional students, to the number of 93, have attended one or more of the courses, the number in the session 1867–68 having been 102. The details of the attendance are reported by Sir Roderick Murchison, Bart., K.C.B., the Director, at page 463 of the Appendix.

Royal College of Chemistry.

11. *The Royal College of Chemistry* continues to be overcrowded, and suffers much from want of space. Dr. Frankland reports that he has been compelled to refuse admission to many applicants. The students' laboratory contains accommodation for only 40, at the most; but arrangements having been made for receiving into the Laboratory of Research some few of the additional candidates for admission, the return of the number of students for the three terms of 1869 presents an increase of 20 on the attendance in 1868; the respective totals being 116 and 136.

Metallurgical Laboratory.

12. *The Metallurgical Laboratory* in Jermyn Street, under the direction of Dr. Percy, has been attended by 35 students during the session 1868–69, as against 29 in the preceding session; but the attendance at this Laboratory

also is restricted by the want of adequate accommodation. The Reports of Dr. Percy and Dr. Frankland are embodied in that of the Director at pp. 464 and 466 of the Appendix.

Popular lectures.

13. The *Evening Lectures* to working men, at the Royal School of Mines, have been attended by as many persons as the Lecture Theatre will conveniently accommodate; the number of School Teachers attending the courses on Chemistry and Physics, specially intended for them, was 417, or 76 more than in the previous year.

Royal College of Science of Ireland.

14. *Royal College of Science of Ireland.*—The courses of systematic instruction in this College have been conducted, by the several Professors, in accordance with the programme appended to the annual report of the Dean of Faculty for the year 1868 (See 16th Report, p. 422). The Programme for the present session of 1869–70 (See App. p. 486) is the first in which the arrangements for the complete three years' course of instruction have been shown. The curriculum of study includes fourteen subjects, and the total number of lectures delivered during the session ending June 1869, was 1,125. The number of individual students was 32, showing the material increase of 14 on that of the preceding session. The number of students pursuing the full three years' course for the diploma of associate was the same as in the previous year, namely, 13. The results of the sessional examinations in 1869 are satisfactory; and one of the students subsequently gained a Whitworth Scholarship. Further information on this subject, and also respecting the museum of the College,—which has been visited during the year by 6,901 persons,—the Library, and the general administration of the Royal College of Science will be found in the Report of Dr. Sidney, the Secretary, at page 497 of the Appendix. The Council of the College express their confidence that, as the advantages of the technical training given in the Royal College of Science become more generally understood, the Institution will steadily progress in usefulness and popularity. (The Report of the Council will be found at page 485 of the Appendix.)

Increased number of students.

Museum and Library.

Progress of the College.

Evening lectures.

15. Courses of *Evening Popular Lectures* on Science were delivered by the Dean of Faculty and five of the Professors, at a fee of 6*d.* for each course. These lectures, which are entirely voluntary on the part of the lecturers, continue to be well attended; the total number of tickets taken in the past session having been 969 for the six courses. The evening course of Laboratory demonstrations in Practical Chemistry intended for artizans and others employed during the daytime, was attended by 36 students.

16. *Royal School of Naval Architecture and Marine Engineering.*—The fifth session terminated on 30th April 1869. In consequence of the extension of the time for the course, as mentioned in our last report, from three to four years, there were few candidates for the fellowship and associateship among the students, and one candidate for the latter was admitted on the conditions laid down for those who wish to compete being already employed in the professions of Naval Architecture or Engineering. No certificate was awarded. It appears from the report of the Inspector-General, the Rev. Joseph Woolley, LL.D., that sufficient time had not elapsed since this change to judge of its effect in improving the general character and amount of the knowledge of the students. The difficulty in giving adequate instruction in Chemistry will, we trust, be surmounted in future sessions. Royal School of Naval Architecture.

17. The privilege of attending the Royal Dockyards and Factories was, as usual, accorded by the Lords Commissioners of the Admiralty to the private students during the five summer months from June to September, inclusive, with excellent results. The number of students during the session 1868–69 was 40, viz., 26 sent by the Admiralty and 14 private. The session 1869-70 commenced with 40 students, namely, 30 Admiralty and 10 private students.

II.—Aid given towards the Promotion of Instruction in Elementary Drawing as a Part of National Education, and in Fine Art as applied to Industry.

18. *The National Art Training School.*—During the year ending 31st July 1869, 34 students have been maintained while in training as masters of Schools of Art, of whom five have obtained appointments as head masters and two as assistant masters in local schools. At the annual examination 13 certificates of the third grade were awarded to students of this school. In addition to the students who receive an allowance for maintenance, 95 have been instructed gratuitously. National Art Training School.

19. Twenty-six National Scholars have been in receipt of allowances to enable them to become designers or Art workmen. These scholarships are tenable for two years. During the year included in this Report 19 scholars have left the school, most of whom have obtained remunerative employment. The students and scholars in training admitted during the year received their preliminary instruction at Birmingham, Bristol, Carmarthen, Cirencester, National Scholarships.

Coventry, Dundee, Halifax, Kidderminster, Newcastle-on-Tyne, Nottingham, Oxford, Sheffield, York, or in London; those who have left the school have found employment at Kidderminster, Stamford, St. Neot's, Birmingham, Halifax, Perth, Burslem, Dudley, Oxford, Manchester, or in London.

Number of Students.

20. The whole number of students in the year has increased from 771 to 895, of whom 531 attended the male, and 364 the female, classes, while the fees paid have risen from 2,162*l.* to 2,584*l.* (See Report of the Head-master at p. 302.)

Etching Class.

21. *Etching Class.*—Mr. Lane's Report shows that the Etching class is proceeding satisfactorily.

Schools of Art.

22. *Schools of Art.*—There are now 107 Schools of Art in action, giving instruction to 19,864 students, an increase in the year of 1,390. New schools have been established at Swansea, Dublin, Inverness, Leeds, Leith, and Manchester. The new school-building at Burslem, having been completed, has been opened to students. A special interest is attached to this, as the first School of Art in the Kingdom which has been established by the aid of a rate raised under "The Public Libraries Act of 1855." (See page 39.)

Examination of the 2nd Grade.

23. 7,841 students were examined in drawing of the 2nd grade, of whom 4,360 passed satisfactorily, and 1,079 obtained prizes. 7,686 students sent up 50,060 works competing for prizes of the 3rd grade; of these 6,197 were industrial students on whom payments were made and 711 prizes were awarded.

Loans to Art Schools.

24. The privilege of borrowing drawings for use as examples has been taken advantage of by 65 schools, five fewer than last year, while 24 schools have borrowed books from the National Art Library.

The National Competition.

25. *National Competition.*—The Examiners of the National Competition of Schools of Art make a favourable report, and state that the studies from the antique show a higher level of attainment than in former years. The competition consisted of 232 studies from the antique, 359 designs, and 432 studies in light and shade or colour. The fixed number of medals, viz., 10 gold, 20 silver, and 50 bronze, were all awarded, together with 101 Queen's prizes of books.

Night Classes.

26. *Night Classes.*—The number of students has risen from 4,571 in 130 classes to 9,322 in 249 classes. The extension of these classes is important, as they meet the requirements of artizans at the usual age for apprenticeship.

Schools for the Poor.

27. *Schools for the Poor.*—The number of schools and children under instruction has increased, and the progress made has been such as to allow the standard for prizes

and payments to be raised. In 1,094 schools which were examined, 120,928 children are taught drawing, an increase of 316 schools and 27,215 children as compared with the previous year.

28. *Training Schools for Teachers of Elementary Schools.*—At the examination of these schools, in November, 271 teachers obtained certificates for drawing. This number is an advance on 252 obtained last year, but is still too small a proportion of the whole number, 2,101, examined. Examination of Training Schools.

29. *Grants in aid of the Purchase of Examples.*—The system of contributing part of the cost of examples, of which part of the cost is paid by the local committee, has been extended under careful restrictions to fittings and apparatus requiring special construction for Schools of Art. Grants towards cost of examples.

In 1868—1,370*l.* 13*s.* 4*d.* were granted on 376 requisitions.

In 1869—1,301*l.* 8*s.* 11¾*d.* were granted on 342 requisitions.

30. The grand totals of persons taught drawing through the agency of the Department, and the amount of fees paid in Schools of Art, have been as follows during the last three years:— Total number of persons instructed and

——	1867.	1868.	1869.
Numbers taught -	105,529	123,562	157,198
Fees paid - -	£17,805	£18,515	£20,200

31. *Payments on Results.*—The following table shows the number of payments made on the results of examination:— Payments on Results of Examinations.

Nature of Payments.	1867.	1868.	1869.
1st Grade.—1*s.*, 2*s.*, or 3*s.* or 5*s.* on account of children taught in Schools for the Poor.	29,385	47,156	55,324
2nd Grade.—10*s.* on account of students in Schools of Art and Night Classes and Schools for the Poor.	3,606	4,200	6,798
3rd Grade.—15*s.* on account of elementary works executed in Schools of Art and Night Classes.	1,742	2,100	2,032
3rd Grade.—20*s.* on account of advanced works executed in Schools of Art.	512	632	640
3rd Grade Certificate.—Payment of 10*l.* on each student obtaining an Art-Teacher's Certificate.	6	8	5
3rd Grade payment of 5*l.* on a student prepared for a National Scholarship.	9	9	9
Total - -	35,260	54,105	64,808

Prizes.

32. *Prizes.*—The total number of prizes issued has been as follows :—

Nature of Prize.	1867.	1868.	1869.
1st Grade Prizes (Poor Schools)	3,655	7,366	7,361
2nd Grade Prizes - -	1,369	2,848	2,761
3rd Grade Prizes - -	635	566	830

33. The details relating to instruction in Art will be found in the Report by Mr. Bowler, at page 160, and its Appendices. (See foot note *.)

III.—South Kensington Museum.

New Buildings.

34. *New Buildings.*—The completion of the new south-east court, and of the new buildings for the Schools of Science and Naval Architecture, has been delayed for want of funds. The former, however, which is intended for the exhibition of objects of great height, is now in progress, and will probably be roofed in during the current year. The new offices and buildings for the Stores Department are in occupation ; the Lecture Theatre of the Museum has been in use for the greater part of the year, and the internal decorations of this and other portions of the new buildings are being carried out in great measure by Art students, working under the superintendence of the artists by whom the designs have been furnished. Female students have been also employed in executing mosaic panels for the decoration of the exterior of the Bethnal Green Auxiliary Museum, to which further reference is made at page xxiii. The execution of new buildings having been recently transferred to the Commissioners of Your Majesty's Works and Public Buildings, we have expressed the hope that the employment of Art students in the work of decoration may be continued, and we trust that those portions of the buildings which are most urgently required for the proper accommodation and arrangement of the Museum collections may shortly be completed.

Commission on Heating, Lighting, and Ventilation.

35. The Report of a Commission appointed in 1865 to inquire into the method of heating, lighting, and ventilating the Museum, with especial reference to the alleged deterioration of certain paintings in the Picture Galleries, will be found at page 41 of the Appendix A. The Commission have recorded their opinion that the method of warming,

* The distribution of the Schools of Science and Art throughout the United Kingdom is shown on the maps at page 45 of the Appendix.

lighting, and ventilating the Museum is on the whole satisfactory and efficient, and that every reasonable precaution is taken for the preservation of the pictures. They consider, however, that so little being known with certainty of the effects of light, air, and temperature, on the various pigments and other substances used by painters, and of the action of these substances on one another, a series of careful experiments should be undertaken with reference to these points.

Works of Fine Art.

36. *Works of Fine Art.*—The Inspector-General for Art reports (*see* page 364 of the Appendix) that the condition of the paintings, drawings, and statuary under his charge continues satisfactory, and that the liability of the pictures to deterioration from external causes has been much diminished by placing under glass the whole collection, with the exception of several works of large size, and of those bequeathed during the past year, all of which, however, it is intended to glaze as soon as possible. The collections of paintings in oil and in water-colours have been enriched by the addition of the 363 works included in the Townshend Bequest (*see* 16th Report, page xv.), all of which have been catalogued, and temporarily arranged for exhibition, during the past year. A detailed list of these pictures will be found at page 383 of the Appendix.

Art Museum. Gifts.

37. *Art Museum.—Gifts.*—The Art collections have been augmented during the year 1869 by many valuable contributions. Besides the two volumes graciously presented by Your Majesty, we may mention as among the more important donations the Crown of Abyssinia and other objects captured in the Abyssinian campaign of 1868, given by the Right Hon. the Secretary of State for India in Council, and the competition designs for the new Law Courts, by Your Majesty's First Commissioner of Works.

Musical Instruments.

38. The attractiveness and value of the *Collection of Musical Instruments* have been much enhanced during the year by the donations of 30 musical instruments, of modern Egyptian work, presented by His Highness the Khedivé of Egypt, and of a series of Chinese musical instruments, the gift of the Directors of the Alexandra Park Crystal Palace Company.

Dyce and Townshend Bequests.

39. *Dyce and Townshend Bequests.*—The most valuable addition, however, that has been received for some time past is the collection recently bequeathed to the Museum by the late Rev. Alexander Dyce. This munificent bequest includes many thousands of volumes of books, pictures, water-colour drawings, engravings, miniatures, and other objects of Art, among which may be mentioned, as of great value, the well-

known copies of the first and second editions of the Plays of Shakespeare, in folio, and of the first edition in quarto of some of the single plays. In accordance with the terms of Mr. Dyce's will (*see* page 32) a room has been specially furnished and appropriated to this collection, and all the books and other objects will be exhibited together under the designation of the "Dyce Collection." Inventories of the paintings, cameos, gems, and other objects comprised in the bequest of the Rev. Chauncy Hare Townshend are appended to the Report of the Museum Keeper of the Art Collections at page 383 of Appendix D.

Gibbs' Bequest.

40. *Gibbs' Bequest.*—The late Mr. William Gibbs, of Faversham, in Kent, bequeathed to the Department by his will, dated the 13th of May 1867, an interesting collection of Roman and Saxon relics. These objects were received in the month of March 1870, and will shortly be catalogued and exhibited as the "Gibbs Collection."

Loans.

41. *Loan Collection.*—The collection of objects of Fine Art and Art manufacture exhibited on loan has been fully sustained during the past year, and numerous proposals to contribute objects of importance and value have been reluctantly declined in consequence of the want of space to exhibit them.

Meyrick Collection of Armour and Weapons.

42. The collection of Ancient Arms and Armour belonging to Colonel Meyrick has, by his kind permission, remained for exhibition on loan, without payment of rental; and upwards of 80 students have availed themselves during the year of Colonel Meyrick's liberal consent to permit drawings to be made from any of the objects. The Right Hon. A. H. Layard has recently contributed on loan the whole of his valuable collection of paintings in oil and fresco, chiefly of the Italian schools, and of examples of Art manufacture in majolica and glass. An interesting series of copies of Early Italian pictures has also been lent by I. H. Wheelwright, Esq. The details of these and other loans made to the Art Museum in the year 1869 will be found at page 376 of the Appendix.

Purchases.

43. *Purchases.*—Amongst the more important acquisitions made by purchase during the year may be instanced, as of especial value, the interior, highly ornamented, of a Boudoir of the period of Louis XVI., produced by order of Queen Marie Antoinette; a scabbard of a sword in leather, ascribed to Pollajuolo, and formerly belonging to Cæsar Borgia; two clavichords of Italian workmanship of the 16th century, and several other valuable specimens of musical instruments; and a series of 34 specimens of Battersea and Bilston enamels, purchased from Mrs. Haliburton,

in addition to those acquired at the sale of her collection in 1868. (*See* 16th Report, page 332.)

Ceramic and other Collections.

44. The *Ceramic Collection*, the *Collections of Textile Fabrics*, and of *Wrought-Iron Work*, cannot at present be properly arranged or exhibited in consequence of the inadequacy of the space available for them. This is the more to be regretted as these collections are of especial importance in their bearing on the technical instruction of the Art manufacturer and Art workman.

Want of space.

Casts and other Reproductions of Art Objects.

45. *Casts, Reproductions, and Copies of Art Objects.*— Copies of wall paintings discovered in the subterranean Church of St. Clement, and of examples of Early Christian Art in the Catacombs, in Rome, have been executed for the Museum under the superintendence, respectively, of the Rev. Father Mullooly, Prior of St. Clement, and of the Commendatore Jean Baptiste de Rossi. Among the principal reproductions in electrotype and plaster may be mentioned mirror frames and tables, the property of the late Countess de la Warr; a collection of electrotypes of armour and weapons, chiefly French; and casts in plaster of the shrines of St. Sebaldus in Nuremberg, and St. Peter the Martyr in the Church of San Eustorgio, in Milan. The collection of *Reproductions in Mosaic* is being steadily developed, and several important works—as, for example, a series of imperishable copies of the cartoons of Raphael, to be executed by female students—have been commenced.

Mosaics.

Indian architecture.

46. *Indian Architecture.*—The arrangements with the Secretary of State for India in Council, alluded to in our last Report (see 16th Report, p. xvi), for the purpose of obtaining casts of important examples of Indian architecture, have been successfully carried on during the past year, and, with the aid of the Secretary of State and of Your Majesty's Government of India, we have been enabled to obtain a cast of the great gateway of the Sanchi Tope at Bhilsa (see Appendix A., page 36). A number of casts of Indian sculptures from Saitron, in Rajpootana, have also been taken from fragments of the original sculptures brought to England by Sir H. Bartle E. Frere, G.C.S.I.

Sanchi Tope.

Circulating Collection.

47. *Circulating Collection.*—The demand for loans of pictures and other Art objects for exhibition in the provinces, in connexion with local Schools of Art, continues to increase, and upwards of 5,490 objects have been lent during the past year to 32 different localities. Besides these contributions to exhibitions, upwards of 1,400 publications prepared for distribution on deposit loan to the Schools of Art, for the purposes of study and instruction,

have been circulated in accordance with the terms of our Minute of the 29th of January 1868 (see 15th Report, page 18). Water-colour drawings and oil paintings, selected for circulation as studies, to the number of 368, have been lent to the various schools throughout the kingdom. Full details of these and of other similar loans are given in the Reports of the Assistant Director for Administration, at page 342, and of the Keeper of the Art Museum, at page 370.

National Art Library. Increased number of readers.

48. *National Art Library.*—The Art Library has been used by a much larger number of readers than in any previous year since its establishment, the increasing value of its collections being so much appreciated as to induce students to attend, especially in the evenings, in greater numbers than the temporary reading-room is fitted to accommodate.

Townshend bequest. Purchases.

49. The collections of books, drawings, prints, and photographs have received considerable additions both by gift and purchase. A second portion of the valuable bequest of the late Rev. Chauncy Hare Townshend, mentioned in the Report of last year, has been received in the Library; of this portion, amounting to 398 volumes and pamphlets, a list is given in the Appendix, p. 432. Among the works purchased may be mentioned a fine copy of Roberts's Views in the Holy Land, Egypt, and Nubia. The total number of books and pamphlets in the Art Library is now nearly 30,000.

Drawings and Prints.

50. The collections of drawings and prints of ornament have received interesting and useful additions, including original designs by Sir W. Chambers, James Wyatt, and other architects and designers of architectural decoration in the last century. The collection of prints has been largely augmented, the number acquired being 6,655. Among them are a considerable series of engravings of ornament of the 16th and 17th centuries, and the great collection known as the Calcographie du Louvre, consisting of 4,854 prints, impressions of plates in possession of the French Government, by whom the prints were presented to this Department (see Appendix A., p. 31).

Photographs.

51. The collection of photographs has received considerable augmentation, including upwards of 400 taken under the direction of Mr. J. H. Parker, F.S.A., in continuation of a series received last year, illustrating recent explorations at Rome.

52. The number of readers in the Art Library has been 18,772, showing an increase of 3,489, or 22·7 per cent., over the numbers in the previous year. Number of readers.

53. *Educational Collections.*—The additions to the collection of school furniture and apparatus have been few in number and of inconsiderable importance; the space allotted to this division of the Museum being already fully occupied. Many of the examples of scientific apparatus exhibited on loan have been renewed by the exhibitors. Educational Collections.

54. The *Educational Library* has been considerably augmented by contributions of books, on loan, from many of the leading publishers, and a valuable collection of Foreign and Colonial Educational Reports has been formed by presentation, through the Foreign and Colonial Offices, from various Governments—in exchange for similar publications by the State in this country—in pursuance of the International Convention of 1867 (see 15th Report, page 24). Educational Library. Interchange of publications with Colonial and Foreign Governments.

55. The number of readers in this Library continues to increase. In 1869, it was 11,097, being an excess of 2,604 readers over the number in the preceding year, 1868.

56. *Food Collection.*—The greater part of this collection is still temporarily exhibited in the Western Corridor under the official residences. It is to be regretted, considering the great attractiveness of the collection to the public, that better accommodation is not available for its exhibition; but the increasing demands for additional space in all branches of the Museum render this impracticable. Some few additions have, however, been received during the year, particularly illustrations of *Economic Entomology* in connexion with substances used as food, the details of which will be found at page 28 of the Appendix. Food Collection.

57. The *Museum of Economic Fish Culture*, under the superintendence of Mr. Frank Buckland, has been considerably augmented during the past year, and the rearing of salmon trout and other fish has been carried on with satisfactory results. Economic Fish Culture.

58. *Animal Products Museum.*—This collection is still exhibited during the daytime in the Exhibition Galleries overlooking the Horticultural Gardens, under the usual regulations of the Museum, but not in the evening, there being no provision for lighting the rooms. Owing to want of space, scarcely any additions have been made to the collection during the year. Animal Products.

59. *Museum of Construction and Building Materials.*—This collection has been maintained in efficiency during the past year. Purchases of objects suitable to the collection have been made, the principal item being a valuable series Structure Museum.

of handicraftsmen's tools of Austrian production, and some examples of Modern Venetian window glass. A valuable model of the interior of the late Opera House in the Haymarket has been presented to the Museum by the Hon. H. Stanhope, M.P. The labelling and general arrangement of the collections have been continued, and a new edition of the Catalogue of the Museum has been commenced.

War Materials.

60. *Museum of Modern War Materials.* — There has been no material addition to the collection of War Materials during the past year, with the exception of specimens exhibited by Sir Joseph Whitworth, Bart., of his system of rifled projectiles, and five examples of his military and sporting rifles. The labelling of all objects exhibited has been renewed from time to time as required, and the illustrations continue to prove attractive.

Machinery and Models.

61. *Museum of Machinery and Models.*—Progress has been made in this division of the Museum by the addition of numerous models and illustrations of marine and other machinery, received on loan from the principal firms of mechanical and marine engineers. Motive power of some kind, to enable the models to be seen at work, is much needed, and it is hoped that some arrangement for obtaining it may shortly be effected. (*See* Reports of the Division Keeper of the three last-mentioned collections at pages 450 to 452 of the Appendix.)

Naval Museum.

62. *Naval Museum.*—This collection has been augmented during the past year by numerous contributions both from the Admiralty and from private sources; and an appendix to the catalogue, together with a general index, has been published since the date of the last Report. (*See* App., page 441.)

Catalogues.

63. *Publications.*—Various catalogues have been published during the year. Dr. Rock's catalogue of the interesting collection of textile fabrics in the Museum has received the chromolithographs prepared for it, and is now issued.

64. The Museum collection of engravings of those masters most instructive for the Art Schools has been furnished with a catalogue by Mr. Julian Marshall. In this case, the collection being inconsiderable, the catalogue is in the form of a general manual of engravers of this class, for the use of the schools and the public.

65. A catalogue, by Mr. Carl Engel, of the collection of musical instruments now exhibiting, has been issued. It is provided with woodcuts, and forms an instructive treatise on the subject.

66. A catalogue of the lace collection, by Mrs. Palliser, is in print, and only awaits the illustrations. Catalogues

have been issued of the collection of gems bequeathed by the Rev. C. H. Townshend, and of the Admiralty collection of naval models.

67. Several new series of photographs selected and published by the Arundel Society, and sanctioned by the Department, have been issued. They are in each case accompanied by careful letterpress descriptions.

68. To these may be added the catalogue of Art books and Inventory illustrative of decorative Art.

Universal Catalogue of Art Books.

69. The *Universal Catalogue of Books on Art* has been printed to Z. The first volume has been issued, and the second has passed through the press. The work extends to 2,000 pages. It will form the best book of reference on this subject yet composed. Handbooks may be compiled from it on every branch of Art literature, and by thus bringing together references to the entire literature of Art in its various branches and forms, the Department has afforded advantages to students not attained in any previous publication.

70. *Inventories.*—Part I. has been printed of a catalogue edited by the Director, which was commenced in 1864, and will serve as a brief guide to the most remarkable works of Art connected with the public buildings of this and other countries. The first part relates to mosaics and stained glass. Inventories have also been printed of the various classes of objects added to the Museum collections, and of the important bequests lately made to the Department.

Number of visitors.

71. *Visitors.*—The number of visitors to the Museum in 1869 was 1,043,654. This is a considerably greater number than in any previous year since the opening of the Museum, with the exception of 1862, the year of the International Exhibition; it exceeds the number in 1868 by upwards of 160,000, or 18·4 per cent., and is 357,549, or about 52 per cent., more than the average annual attendance. (*See* the Report of the Director at page 317 of Appendix D., and the Tables at page 456.)

IV.—Branch Museums supported by the State.

Bethnal Green Museum.

72. *Bethnal Green Museum.*—The building for this Auxiliary Museum is now nearly completed, the main structure having been roofed in, and the flooring is now in progress. Designs for mosaic panels and for the external decoration of the side walls have been prepared, and

students of the National Art Training School are employed in the execution of the work.

Museum of Practical Geology.

73. *Museum of Practical Geology* in Jermyn Street.—This Institution has been visited during the past year by 47,506 persons, showing a decrease of 1,626 on the number in 1868. The attendance in the evenings has increased from 19,683 to 20,635.

Natural History Branch of Survey and Museum.

74. The Reports of the Natural History branch of the Museum and of the Geological Survey, by Professor Huxley and Mr. Etheridge, will be found in the Report of the Director-General at page 461 of the Appendix. As in previous years, the collections of the Museum and the Library have been increased by numerous donations, among which may be mentioned an interesting series of 300 specimens of fossils from the London clay, presented by H. T. Cassini, Esq. Of this section of the Museum Professor Huxley reports that it is gradually approximating to its proper condition of the best and most complete series of British fossils in the world. Lists of the donations and other additions to the Museum are printed at pages 466 and 476 of the Appendix.

Edinburgh Museum of Science and Art.

75. *Edinburgh Museum of Science and Art.*—The progress of this Institution recorded in the reports of previous years continues to be satisfactorily maintained, both as regards the development of the general Science and Art Divisions of the Museum and of the collections of Natural History and Ethnology, and as regards the increased attendance of the public. Among the numerous additional objects of interest acquired during the past year may be mentioned a donation of conchological specimens for which the Museum is indebted to the continued liberality of Robert Macandrew, Esq., of Isleworth; a valuable gift of birds from Dr. Hector, the Director of the Government Survey of New Zealand, and a collection of insects presented by Dr. Wright of Nepaul. Full details of the progress and general work of this branch of the Department are given in the Report of Professor Archer, the Director, at page 477 of the Appendix.

Number of visitors.

76. The attendance during the year shows an increase of 14,448, or nearly 5 per cent. on that of the previous year; the respective totals being 294,830 in 1868, and 309,278 in 1869. Of this latter number the large proportion of 164,902, chiefly of the industrial classes, visited the Museum in the evening. The average daily attendance throughout the year has been 87·6 on the three pay days,

when 6*d.* each person is charged for admission, and 1,850·9 on the free days.

77. *Evening Lectures to Artizans.*—The arrangements alluded to in our last Report (at page xxi.) for the delivery of evening lectures specially adapted to the instruction of artizans in the principles of science, have been carried into effect with satisfactory results; although the attendance was not so large as in the preceding session of 1867–68, when the system was first adopted. The total attendance at the seven courses of lectures delivered during the past session of 1868–69 was 1,386; and 128 persons attended the supplementary course on Botany delivered by Professor Balfour, F.R.S., at the request of a number of artizans who attended the lectures. A fee of one shilling is charged for admission to each course, and the lectures are given without expense to the State, whilst the educational usefulness of the Museum, and its beneficial influence on the working classes in Edinburgh have been materially advanced. Evening lectures.

78. The *Natural History Museum of the Royal Dublin Society.*—This Museum has been open to the public throughout the year, with the exception of the month of January, when it was being painted. The total attendance for the eleven months was 31,915, of whom the large number of 19,003 persons visited the collections on Wednesday evenings. This very gratifying result of the opening of the Museum one night in the week affords conclusive evidence of the public appreciation of this advantage, and it is satisfactory to learn from the Report of the Royal Dublin Society (*see* page 504 of the Appendix), that the Council propose to open the Museum on two evenings in each week, as soon as the requisite arrangements can be effected. Considerable progress has been made in the arrangement of the collections, which have received numerous additions, both by gift and purchase. The donations include an Egyptian mummy and sarcophagus presented by H.R.H. the Prince of Wales; and various specimens of Natural History, from Professor Wright, Sir Leopold McClintock, Lord Clermont, and other contributors, whose names are given at page 504 of the Appendix. Natural History Museum, Dublin. Attendance; and public appreciation of evening opening. Donations.

79. *Glasnevin Botanical Garden, Dublin.*—The garden has been open to the public every day throughout the year, and the number of visitors in 1869 has exceeded that of the preceding year by 5,012, the respective totals being 218,524 and 223,536. The number of persons admitted free of charge on Sundays has reached the total of 172,600, showing an increase of 8,939, or 5·4 per cent. on the number in 1868. Glasnevin Botanical Garden. Sunday visitors.

Enlargement of Conservatories.

80. The work of enlarging the conservatories was completed in the month of October last, and considerable additional space was thus made available for a more systematic arrangement of the plants, and for the better accommodation of the increasing number of visitors. Other improvements are in progress, and the condition of the garden generally continues to be satisfactory. The numerous additions obtained during the past year by purchase, exchange, or donation, are specified in detail in the Report at page 503 of the Appendix.

Library of Royal Dublin Society.

81. The *Library of the Royal Dublin Society* has been open to the public on 293 days, from 11 o'clock, a.m., to 6 o'clock, p.m., until the 29th of November, and since that date it has been open every week-day from 10 o'clock, a.m., to 10, p.m., and the number of readers has very considerably increased, the total for 1869 being 18,375, or 4,224 more than in 1868. Full particulars of these three last-mentioned institutions will be found in the Report of the Royal Dublin Society at p. 501 of the Appendix.

V.—The Geological Survey.

Geological Survey.

82. The total extent of area surveyed in 1869 was 4,171⅓ square miles, or 357⅚ more than were surveyed in the previous year, when the increase was 1,619¼ square miles. (*See* 16th *Report*, p. xxii.) The rate of progress during the past year has, however, been affected by special circumstances, which are fully reported by the Director-General at page 458 of the Appendix.

Maps.

83. Twenty-four maps on the scale of six inches to the mile, were completed in the year 1869, and considerable progress has been made in the mapping of the Yorkshire coal-fields, which will, it is hoped, be finished during the present year. The state of the Survey to the close of 1869 is shown in the Index maps, which will be found at page 476 of the Appendix.

Mining Record Office.

84. *Mining Record Office.*—The details of this branch of the Survey are given in the Report of the Director-General, at page 464 of the Appendix.

Scientific investigations.

85. As in previous years, the staff of the Survey and of the Royal School of Mines have conducted several collateral *Scientific Investigations*, and furnished information at the request of other public departments. Dr. Frankland has continued his researches into the chemical and physical condition of the solar atmosphere; and his monthly analytical examinations of the water supplied by the different metropolitan water companies; and has also made analyses,

experiments, and reports for the Registrar-General, the Admiralty, the Board of Trade, and the Colonial Office.

VI.—Institutions and Societies which receive Aid from the State, subject to the Superintendence of the Science and Art Department.

Royal Dublin Society.

86. *Royal Dublin Society.*—During the year 1869 the Society has elected 70 new members, making a total of 1,254 ordinary members, besides honorary and corresponding members and agricultural associates to the number of 92. The success of the Society's *School of Art* has been maintained during the year, both as regards the number of the students, which was 535, and their success in the national competition and other examinations. The annual exhibition of the students' works was visited by 1,206 persons, and the courses of free lectures in connexion with the school were attended by 1,090 persons, the average being about 100 at each lecture. The *Agricultural Department*, which is supported entirely out of the private resources of the Society, has continued to hold its periodical shows, and full details respecting their success are given in the Report of the Society, at page 505 of the Appendix. The number of persons availing themselves during the year of the advantages offered by all the various departments of the Society has been 321,770, showing an increase of 27,431 as compared with the number in 1868. The Report of the Royal Dublin Society, containing a full account of its proceedings, will be found in the Appendix at page 501.

Agricultural Department.

87. The Report of the *Royal Hibernian Academy* is given at page 513 of the Appendix.

Royal Zoological Society of Ireland.

88. *Royal Zoological Society of Ireland.*—The Report of the Council upon the proceedings of the Society for the year 1869 will be found at page 510 of the Appendix. The return of the number of visitors in 1869 shows a total of 136,052, or 9,052 more than in 1868, being an increase of 7 per cent. The total number of visitors to the gardens since their foundation in 1832 has been 3,610,546 (*see* Table at p. 510), showing a yearly average attendance of 95,014, which has been exceeded during the past year to the number of 41,038, or more than 43 per cent. This very considerable increase in the attendance appears to fully justify the special grant sanctioned by Parliament for the construction of new buildings, by means of which the Society has been enabled to enhance the attractiveness and utility of its collections. The number of persons visiting

the gardens on Sundays, when they are open at a charge of 1*d.* for admission, was 103,624, or about 2,000 on each occasion, an increase of 3·4 per cent. on the number in the preceding year.

VII. Summary.

Increase in numbers.

89. The influence of the Department throughout the United Kingdom is being extended year by year in a rapidly increasing ratio, and the numbers of persons who have during the year 1869 attended the schools, museums, and other institutions receiving aid from the Parliamentary Vote, are considerably greater than in any previous year; and it is especially satisfactory to observe that the number of persons receiving instruction in Science applicable to Industry, has increased from 15,010 in 1868, to 21,500 in 1869, or upwards of 43 per cent. The number of individuals instructed in Art has also increased from 123,562 to 157,198, or 27·2 per cent. At the Royal School of Mines there have been 17 regular, and 93 occasional students; at the Royal College of Chemistry, 136 students; at the Royal School of Naval Architecture there were 40; and at the Metallurgical Laboratory, 35. The evening lectures were attended by 1,617 artizans and school teachers; and 253 Science teachers attended the special courses of lectures provided for their instruction.

90. At the Royal College of Science, Ireland, there were 32 individual students; and 5,773 persons attended the various courses of lectures delivered in connexion with the Department in Dublin. The attendance at the Evening Popular Lectures, which were delivered in the Edinburgh Museum of Science and Art during the session 1868–69, was 1,386.

91. The total number of persons, therefore, who have received direct instruction as students, or by means of lectures, in connexion with the Science and Art Department, is upwards of 187,000, a total exceeding that of the previous year by 41,300, or 28 per cent. This shows an increase *in the rate of progress*, as compared with that of the previous year, of 10 per cent., the numbers in 1868 having been nearly 18 per cent. higher than in 1867. The museums and collections under the superintendence of the Department in London, Dublin, and Edinburgh have been visited by 1,798,842 persons, showing an increase of 216,987, or upwards of 13·7 per cent., on the number in the preceding year, which was 1,581,855.

92. The attendance at the Art and Educational Libraries and at the Library of the Royal Dublin Society continues to exhibit a satisfactory progress; the numbers in 1869 having reached a total of 48,244, being 10,315, or 27 per cent., more than in 1868.

93. The returns received of the number of visitors at various Local Art and Industrial Exhibitions to which objects were contributed from the South Kensington Museum show an attendance of upwards of 338,000, as against 290,000 in the previous year.

94. The total aggregate increase therefore in the number of persons who have availed themselves of all the different means afforded by the Department of obtaining instruction in Science and Art is upwards of 596,000, or 33·5 per cent. on the number in 1868; the approximate totals being 1,775,400 in 1868, and 2,372,000 in 1869.

95. The expenditure of the Department during the financial year 1869–70, exclusive of the vote for the Geological Survey, was 201,552*l.* 15*s.* 10*d.*, or 2,851*l.* 9*s.* 11*d.* more than in 1868, when it amounted to 198,701*l.* 5*s.* 11*d.*

96. We are thus enabled to report to Your Majesty that the beneficial influence of the Department has been materially extended during the year 1869, while its expenditure has been proportionately less.

All which is most humbly submitted to Your Majesty.

South Kensington, this 24th day of June 1870.

L.S.

(Signed) DE GREY AND RIPON.
W. E. FORSTER.

(Signed)
HENRY COLE,
Secretary.

APPENDIX.

APPENDIX A.

MINUTES AND CORRESPONDENCE.

SCIENCE.

Circular announcing modification of rules of Science Directory.

CIRCULAR LETTER to SECRETARIES and TEACHERS of SCIENCE SCHOOLS relative to the modification of the Rules of the SCIENCE DIRECTORY.

SIR, 2nd December 1869.

I AM directed by the Lords of the Committee of Council on Education to forward to you the accompanying minute (*vide infrà*), making several changes in the system of State aid to Science instruction.

The extraordinary growth of the system and the increase in the number of schools and students have rendered necessary a reconsideration of the rules. While regretting the lateness at which, from unavoidable circumstances, these changes have been introduced, My Lords trust that the schools and classes may not thereby be put to any serious inconvenience. Some reductions it has been found necessary to make, but My Lords believe that they have been effected with as little detriment as possible to all schools, while in those which are well organised, a compensation will be found in the additions that have been made to the subject of Mathematics, and in the removal of restrictions in the case of large payments.

I am, Sir,
Your obedient servant,
HENRY COLE.

Minutes and correspondence on same subject.

At South Kensington, the 30th day of November 1869.

By the Right Honourable the Lords of the Committee of Her Majesty's Most Honourable Privy Council on Education.

My Lords reconsider the rules of the Science Directory, and direct that they shall be modified as follows :—

1. To have only two classes in the Elementary, as in the Advanced, Stage and to pay 1*l.* and 2*l.* for each. The two classes in the Elementary Stage to include very nearly, but not quite, all who would have been included in the three classes. With this exception Rule XXVI. of Science Directory to remain as before.

Appendix A.

MINUTES AND CORRESPONDENCE.

2. Not to make the payments on the two stages cumulative, but to make the payment on each stage separately and independently, so that if a student pass in the second class of the advanced stage, either with or without passing in the elementary stage first, the payment on his account will be 1*l.*

3. To make a payment for Honours of 2*l.* and 4*l.* according to the class, but only on students who have passed through the Elementary and Advanced Stage in a Science Class under this Department.

4. To abolish the rules for the reduction of claims above 60*l.*, and to make the payments, whether to the committees or teachers, on the same scale.

5. To divide the two subjects of Elementary and Higher Mathematics into seven stages or subdivisions, as follows :—

N.B.—The references are to the Syllabus in the Science Directory.

1. Arithmetic; Algebra, including simple Equations and Fractions (see Elementary Mathematics); and the elements of Plane Geometry, including the properties of lines and figures as far as treated in the 1st Book of Euclid.
2. The preceding with Algebra, including Quadratic Equations, Ratio and Proportion; Plane Trigonometry, up to the solution of triangles (see Elementary Mathematics); and the use of logarithms; and Geometry, as far as treated in the 2nd and 3rd Books of Euclid.
3. The preceding in 1 and 2 with Algebra as far as the Theory of Quadratic Surds (see Higher Mathematics), and Trigonometry, Plane and Spherical, as far as 1st and 2nd stage in Higher Mathematics.
4. The rest of Geometry including Solid and Descriptive, and Conic Sections treated geometrically.
5. The preceding as in 4, together with Co-ordinate Geometry, including the elements of the Co-ordinate Geometry of three dimensions.
6. Differential and Integral Calculus (elements).
7. Differential and Integral Calculus with Differential Equations and the Elements of Calculus of the Finite Differences.

6. The payments to be 1*l.* and 2*l.* on each stage or subdivision.

7. The examinations in subdivisions 1, 2, and 3, to be on one evening; in 4 and 5 on another; and in 6 and 7 on another. On each evening an "honour" paper to be set on the subjects comprised in the papers of that evening.

8. The detailed rules will be embodied in the Science Directory and published shortly.

At Whitehall, the 13th day of December 1869.

By the Right Honourable the Lords of the Committee of Her Majesty's Most Honourable Privy Council on Education.

Payments on the Results of the Science Examinations.

Referring to the Minute of the 30th November 1869, my Lords further direct as follows :—

1. Payments at the May 1870 examination to be made on the following scale in the case of pupils who have been successful at the exami-

nation in May 1869, or at previous examinations in the Elementary tage of the same subject—

a. For a First Class in the Elementary Stage, the pupil having previously obtained a Third Class, 1*l.* 10*s.*

b. For a First Class, the pupil having previously obtained a Second Class, 1*l.*

c. For a Second Class, the pupil having previously obtained a Third Class, 10*s.*

2. Except in the case of Mathematics, the arrangement of which subject will be understood from the following table. The corresponding divisions of the subject under the old and new systems are given in the 1st and 2nd columns. With a previous success, therefore, as given in the 1st column, no payment will be made on account of the corresponding success as given in the 2nd column.

I.		II.
Elementary Mathematics.		Mathematics.
3rd Class, First Stage	1st and 2nd Class of Stage 1.	
2nd „ „	do.	do. and 2nd Class of Stage 2.*
1st „ „	do.	do. and of Stage 2.
2nd „ Second Stage	do.	Stages 1 and 2.
1st „ „	do.	do. do. and 2nd Class of Stage 3.
Higher Mathematics.		
3rd Class, First Stage	do.	Stages 1, 2, and 3.
2nd „ „	do.	do. do. and 2nd Class in Stage 5.
1st „ „	do.	Stages 1, 2, and 3, and 2nd Class in Stage 6.
2nd „ Second Stage	do.	Stages 1, 2, 3, and 6, and 2nd Class in Stage 5.
1st „ „	do.	Stages 1, 2, 3, 5, 6, and 2nd Class in Stage 7.

3. A First Class in each stage of Mathematics to qualify a teacher to earn payments on instruction in that stage.

4. Teachers already qualified to earn payments in Elementary Mathematics to be considered qualified in Stages 1, 2, and 3, and teachers already qualified in Higher Mathematics to be considered qualified in the whole.

5. A First Class or Honours in Stages 3, 5, and 7 in Mathematics respectively to qualify a teacher to earn payments on the results of instruction in the preceding stages.

6. No payments to be made on account of students passing in Stage 1 of Mathematics,—

a. Who are students in Training Colleges receiving State aid.

b. Who are teachers trained at the public expense.

7. The rule which makes the payments not cumulative in the two stages of a subject not to be applied—except as regards Mathematics—in the case of teachers who, in May 1870, are *bonâ fide* passing for, and

* If a student passes in the 1st Class of the 2nd Stage the teacher will then receive 1*l.* on his account.

Appendix A. MINUTES AND CORRESPONDENCE.

intend at once to become, Science teachers. The payments in their case, if they pass in the First or Second Class of the Advanced Stage, to be 4*l.* and 3*l.* respectively. Teachers who propose to bring up pupils and to claim under this exemption to apply on Science Form No. 364 A, not later than the 28th February, so that their cases may be considered. No claim to be admitted unless this regulation has been complied with.

COPY of LETTER addressed to the Chairman and Secretary of a Meeting of Science Teachers held at the Mechanics' Institute, Manchester, on the subject of the foregoing Minutes.

GENTLEMEN, 18th February 1870.

THE letter forwarded by you on behalf of the meeting of Science Teachers held at Manchester on the 27th December, and containing the resolution passed at that meeting, has been under the consideration of the Lords of the Committeee of Council on Education.

Referring to the first of these resolutions, which states that a repudiation of engagement with the teachers is contained in their Lordships' Minutes of November 30th and December 13th, I am desired to say that their Lordships cannot admit that there is any ground for such statement. No guarantee has been given that the regulations contained in the Science Directory will not at any time be altered. On the contrary it is stated on the cover of this Directory that "the rules in the present "edition supersede those in all former editions, but are always subject "to revision." This is repeated on the title page and again at the commencement of the rules.

In a new and experimental system changes in details must be expected, and on referring to the records of the Department, my Lords find that there are many precedents for the course adopted, and that it has been the practice in the Department, whenever it has been found advisable, to make changes in its rules, sometimes in curtailment, sometimes in increase of payments to teachers, as late or later in the year than in this case.

I am also desired to point out that while the late change involves some reductions in payments to teachers, this has been accompanied by a general simplification and improvement in the system by an increase of payment in the subject of mathematics, and by the removal of all the rules for the reductions of teachers' claims.

But my Lords having carefully considered the various representations which have been made to them are prepared to modify for the present year some portions of the Minutes of the 30th November and 13th December, and with that view have passed a fresh Minute, a copy of which I am directed to forward to you.

I am, &c.

The Chairman and Secretary, (Signed) HENRY COLE.
Science Teachers' Meeting, Mechanics' Institute, Manchester.

COPY of a LETTER addressed to Sir Thomas Bazley, Bart., M.P., on the same subject.

SIR, 18th February 1870.

THE Lords of the Committee of Council on Education have had under their consideration the "Memorial of the Members of the General Council of the Union of Lancashire and Cheshire Institute and others," presented by the deputation introduced by you on the 11th February, as well as the representations made to them on that occasion by various members of the deputation.

One of the principal, if not the main, argument used on that occasion for a suspension of the late Minute of the 30th November, affecting science instruction, was that the introduction of such changes at that period was, in fact, a repudiation of engagement amounting to a breach of faith with the teachers.

I am directed by my Lords to inform you that they cannot admit the justice of this view. No guarantee has been given that the regulations contained in the Science Directory may not at any time be altered. The fourth paragraph of the Directory, on which the deputation relied in support of their view, must be read in connexion with the preceding caution. It is stated on the cover of the Directory that "the rules in "the present edition supersede those in all former editions, but are "always subject to revision." This is repeated on the title page and again at the commencement of the rules.

After thus giving full notice that changes may at any time be introduced in the system, the Directory proceeds, in the fourth paragraph, to guard against any creation of vested rights, pointing out that even the whole Parliamentary grant may be withdrawn, and that therefore the payments in aid given for each current year confer on the teacher no claim for any payments beyond that year. In a new and experimental system changes in details must be expected, and on referring to the records of the Department, my Lords find that there are many precedents for the course adopted, and that it has been the practice in the Department, whenever it has been found advisable, to make changes in its rules, sometimes in curtailment, sometimes in increase of payments to teachers, as late or later in the year than in this case.

I am also desired to point out that while the late change involves some reductions in payments to teachers, this has been accompanied by a general simplification and improvement in the system by an increase of payment in the subject of mathematics, and by the removal of all the rules for the reduction of teachers' claims.

But my Lords having carefully considered the representations made to them by the deputation, and being desirous of relieving as far as possible the science teachers from the temporary inconveniences to which their attention has been drawn, are prepared to modify for the present year some portions of the Minutes of November 30th and December 13th, and with that view have passed a fresh Minute, a copy of which I am directed to forward to you.

I am, &c.

Sir Thomas Bazley, Bart., M.P. (Signed) HENRY COLE.

At Whitehall, the 16th day of February 1870.

Minute revising the foregoing modifications of rules relative to payments on results of science examinations.

By the Right Honourable the Lords of the Committee of Her Majesty's Most Honourable Privy Council on Education.

Present:—The Earl de Grey and Ripon, K.G.
The Right Hon. W. E. Forster, M.P.

My Lords have now before them all the applications from science classes for this session, and the representations of various bodies as to the operation, upon the teachers' arrangements for the present session, of the changes made in the regulations affecting aid towards instruction in science by the Minute of the 30th November 1869.

Their Lordships remain of opinion that the changes are desirable, but being anxious that they should be made with as much consideration as

Appendix A. MINUTES AND CORRESPONDENCE.

is possible for the teachers, they direct that the Minute of the 30th November shall be modified for the session of 1869–70 as follows:—

In computing a teacher's claim for payment which does not amount to 60*l.*, or, when it amounts to less than 100*l.*, in computing such portion of his claim as amounts to 60*l.*, that he shall—

(*a.*) Be credited with 1*l.* 5*s.* for each 2nd class, and 2*l.* 10*s.* for each 1st class taken by his pupils in any subject except mathematics, and

(*b.*) Receive cumulative payments on the two stages in the case of students who have previously passed in the elementary stage.

Above the limit of 60*l.*, and in other respects, the Minutes of the 30th November and 13th December, and the Science Directory revised in accordance therewith, are to remain in force, and will come into full operation in the year 1870–71.

By order of the Lords of the Committee of Council on Education.

HENRY COLE,
Secretary.

SCIENCE DIRECTORY.

SCIENCE DIRECTORY.

Revised to Jan. 1870.

SHOWING the NATURE and AMOUNT of ASSISTANCE afforded by and through the SCIENCE AND ART DEPARTMENT to INSTRUCTION in SCIENCE, and containing the Detailed RULES and REGULATIONS under which AID to SCIENCE SCHOOLS and CLASSES is administered.

[The Rules in the present Edition supersede those in all former Editions, but are always subject to Revision. *Important Alterations made since the last edition of the Directory are printed in Italics.*]

Parliamentary vote.

I. A sum of money is voted annually by Parliament for scientific instruction in the United Kingdom, and is administered by the Science and Art Department.

Heads of the Department.

II. The head of the Education Department, of which the Science and Art Department is a branch, is the Lord President of the Council, assisted by a member of the Privy Council, who is called the Vice-President of the Committee on Education, and who acts under the direction of the Lord President, and for him in his absence. (Order in Council, 25th February 1856, Act 19 & 20 Vict. c. 116.)

Object of the grant.

III. The object of the grant is to promote instruction in Science, especially among the industrial classes, by affording a limited and partial aid or stimulus towards the founding and maintenance of Science schools and classes.

Grant liable to be withdrawn.

IV. The amount is liable to be decreased and eventually withdrawn. Payments to teachers therefore must not be looked upon as perpetual, or in any way conferring on the teacher a claim to any payments beyond those offered for each current year.

Payment of fees by students.

V. The payment of fees by the students can be looked upon as the only solid and sufficient basis on which a self-supporting system can be established and supported. Though my Lords do not consider it necessary at present to lay down any rules making the payment of fees an absolute condition of the grants on account of Science instruction, yet as the payments from the State must be expected to diminish, and as aid on account of those persons who do nothing for themselves cannot be justified, Committees of schools and classes and teachers are strongly

urged (should it at present not be the practice) at once to impose as high a scale of fees as they consider can be raised not only on middle class students but also on artisans. Appendix A. MINUTES AND CORRESPONDENCE.

VI. The following are the Sciences towards instruction in which aid is given:— List of science subjects.

Subject 1, Practical Plane and Solid Geometry.
„ 2, Machine Construction and Drawing.
„ 3, Building Construction *or* Naval Architecture and Drawing.
„ 4, 5, } Pure Mathematics.
„ 6, Theoretical Mechanics.
„ 7, Applied Mechanics.
„ 8, Acoustics, Light, and Heat.
„ 9, Magnetism and Electricity.
„ 10, Inorganic Chemistry.
„ 11, Organic Chemistry.
„ 12, Geology.
„ 13, Mineralogy.
„ 14, Animal Physiology.
„ 15, Zoology.*
„ 16, Vegetable Anatomy and Physiology.
„ 17, Systematic and Economic Botany.
„ 18, Principles of Mining.
„ 19, Metallurgy.
„ 20, Navigation.
„ 21, Nautical Astronomy.
„ 22, Steam.
„ 23, Physical Geography.

VII. The assistance granted by the Science and Art Department is in the form of— Nature of assistance.

1. Public examinations, in which Queen's Medals and Queen's Prizes are awarded, held at all places complying with certain conditions.
2. Payments on results to Committees or teachers.
3. Scholarships and Exhibitions.
4. Building Grants.
5. Grants towards the purchase of apparatus, &c.
6. Supplementary grants in certain subjects, and special aid to teachers and students.

NOTE.—*As respects all grants and awards, the Department will be the sole judge, and cannot enter into correspondence respecting its decisions.*

VIII. Suitable premises, with firing, lighting, &c., must be found and maintained at the cost of the locality where the school or class is held. If at any time the funds do not cover these requisite local expenses, it must be inferred that there is no such demand for instruction in the locality as the Government is justified in aiding; and the assistance of the Department will be withdrawn. School premises.

IX. A school or class receiving aid from the Science and Art Department must be at all times open to the visit and inspection of its officers.

X. Every Science School or Class must be under the management of a Local Committee who are required to be responsible for the safe custody of all apparatus, towards the purchase of which the Department Constitution of Local Committee.

* No candidate will be passed in Zoology unless at the same or at a previous examination he has passed in the elementary stage of Animal Physiology. (See *Appendix B.*, p. 99.)

Appendix A. MINUTES AND CORRESPONDENCE.

has granted aid, and to conduct the examinations according to the rules. (*See* Appendix A., Science Form No. 91, p. 38.*)

The relation of the teacher to the Committee of a school or class will vary much according to the varying circumstances of different localities. With this and other local arrangements the Science and Art Department does not interfere, but leaves them to the locality to settle.

a. The Committee must consist of a Chairman, Secretary, and at least three other members, and must be composed entirely of well-known responsible persons of independent position who have no such personal interest in the school or class as can lay them open to the slightest suspicion of partiality. Relations and pupils of the teacher, persons under instruction in any school or class receiving aid from the Science and Art Department, and teachers of any description having pupils who are candidates for the examinations of the Department, are not eligible as members of the Committee.

NOTE.—A gentleman whose son attends any examination of the Science and Art Department is thereby disqualified from superintending any of the examinations that year, though he may act on the Committee in other respects.

b. It is very desirable that as many persons as possible in recognised positions of public responsibility in the district, such as magistrates, municipal authorities (mayor, aldermen, or town councillors), heads of educational establishments (trustees of grammar schools, managers of National schools), clergymen, &c., should be on the Committee, and it is *absolutely necessary* that at least two such responsible persons should agree to act.

c. The Chairman must be a magistrate, mayor, boroughreeve, provost, alderman, or other public officer of recognised position; trustee of grammar school, clergyman of the Established Church in parochial employment, or minister of religion in charge of a licensed place of public worship. He will have to certify that the constitution of the Committee is in accordance with the above requirements. (*See* Appendix A., Science Form No. 88, p. 29.)

d. The Secretary of the Committee of the School or Class, as being the medium of communication, will carry on all correspondence with the Science and Art Department, and is held responsible for making out and sending all returns required, for the receipt and distribution of the examination papers, the transmission of the worked papers, &c., at the proper times according to the regulations.

Formation of Local Committee.

XI. The gentlemen who intend to act on this Committee must sign their names to a form (*write for* Science Forms Nos. 88 and 120), stating their willingness to carry out the necessary arrangements for examinations, and to observe all the regulations of the Department; each member after signing must also give his address and occupation. Care must be taken that the members who sign are properly acquainted with the duties they propose to discharge.

When a school or class is first formed, the Form No. 88 must be signed at a general meeting of the Committee. If the same Committee continue to act it will only be necessary to fill up

* The Appendices and the paging referred to in this Summary of the Rules of the Science Directory are those of the Directory, which may be obtained on application to the Secretary, Science and Art Department, South Kensington, W.

Form No. 168, which expresses the willingness of the members to undertake their duties for another year; *but no one can be a member of a Committee nor assist in the conduct of an examination who has not signed Form No.* 88.

Approval of, by the Department.

XII. As soon as a school or class has been established and the Committee formed, application must be made that it may be approved by the Department (*send up* Science Forms Nos. 88 and 120). No payments on account of instruction will be made unless this approval has been obtained before the 31st January preceding the examination.

N.B.—The school and class registers (see § XLIII., *p.* 15) *will not be sent until these forms, properly filled up, have been received from the school applying for them.*

Committee for conducting an examination only.

XIII. A Committee may be formed for conducting the examination only of a class or school which does not receive aid from the Department in the form of payments on results. It must be approved before the 31st March (*write for* Science Form No. 88*a*.)

Reimbursement of Committee.

XIV. For the clerical labour of making the necessary returns, filling up forms, &c., a grant is made to the Committee of 1*l*. This is paid after the conclusion of the examinations.

When more than two examinations are held, the sum of 10*s*. will be allowed to the Committee—or in the case of an amalgamation (*see* § XXV., p. 9), to the amalgamated Committee—for each further examination for the expenses connected with it.

These grants will only be made provided the examinations are regularly conducted, and the returns and forms sent up in due course, as given on the Science Form No. 170. (See *Appendix A.*, p. 28.)

Inspection.

XV. As often as may be necessary an Inspector of the Department will visit the school or class, and report on the condition of the premises, the constitution of the Committee, and the manner in which the regulations are carried out.

If due notice of the visit of the Inspector has been given, a meeting of the Committee must be held to receive him, at which as many of the members as possible are expected to attend. (*See* Science Form No. 170, *Appendix A.*, p. 28.)

Memoranda for Secretaries.

XVI. At page 28 in the Appendix will be found a table of memoranda for the use of Secretaries and Members of Science Committees (*write for* Science Form No. 170) *which it is expected will be carefully attended to.*

EXAMINATIONS.

Examination of Classes.

XVII. The Science and Art Department holds annually about May, through the agency of the Local Committees, public examinations in all the before-mentioned Sciences in any place in the United Kingdom which complies with the requisite conditions. (*See* §§ X. to XIII., p. 5.) On the results of this examination payments are made for the instruction of the students, and medals and prizes are awarded.

For Navigation Classes special examinations are also held three times a year. (*See* § LXIV., p. 24.)

Examinations, how held.

XVIII. The examinations are of two kinds, but are held on the same evening and conducted by the same Committee:—

a. The class examinations for students under instruction in Science Classes whether taught by teachers qualified to earn payments on results or not.

b. The honours examination, of a highly advanced character.

Appendix A.

MINUTES AND CORRESPONDENCE.

Classification of Results of examinations.

XIX. For the purpose of the class examinations each subject is divided into two stages—the elementary and the advanced stage; *except Mathematics, which is divided into seven stages* (*see* Syllabus, p. 54). There is a different examination paper for each stage, and in each stage there are two grades of success—first and second class. For the second or lowest class of the elementary stage, the standard of attainment required is only such as will justify the Examiner in reporting that the instruction has been sound, and that the students have benefited by it; but the standard may be raised from year to year.

Class examination in Mathematics.

XX. In Mathematics, the examination in stages 1, 2, *and* 3 *is held on one evening; in* 4 *and* 5 *on another; and in* 6 *and* 7 *on another. A student can only take up the examination in one stage on one evening.*

Honours paper.

XXI. There is an honours paper in each subject, *except Mathematics, which, for this purpose, may be considered as divided into three subjects, an honours paper being set on each evening, for the whole of the stages comprised in that evening's examination.*

Application for Examination.

XXII. An application, stating in what subjects examination will be required, must be made on Science Form No. 329, *and sent in before the* 28*th of February. A second form* (*Science Form No.* 119) *must be sent in before the* 31*st of March, giving the precise number of candidates to be examined in each subject.*

On the 31*st of March the examination lists must be finally closed, and unless these instructions have been* **strictly** *adhered to no examination can be held.*

The rules for the conduct of the examinations will be found on Science Form No. 91 (*see* Appendix A., *p.* 38). *They must be carried out with the utmost strictness.*

Re-examination.

XXIII. Should there be at any time reason to suspect the fairness of the examination generally, or of the way in which particular candidates have worked their papers, a further examination will take place in such manner as may be deemed most advisable. Refusal on the part of any candidate to be re-examined will entail the cancelling of his previous examination.

Department not responsible for errors.

XXIV. All possible care will be taken by the Department at the time of the examinations that papers shall be forwarded in accordance with the applications, and that the results may be correctly issued. As, however, a very large number of classes have to be dealt with, mistakes may possibly occur. The Department cannot undertake to rectify such mistakes, nor will it hold itself responsible for any loss which may in consequence accrue to individual committees, teachers, or students.

Amalgamation of Classes and Committees.

XXV. If two or more classes in the same town, or within a reasonable distance of one another, apply for the examination of the Science and Art Department, a general examination committee must be formed by the amalgamation of the several Committees to carry out the examinations at some common centre, such as the town hall or other public building. It is only when the Inspector reports that the local circumstances are of such a character as to render an amalgamation of the Committees impracticable that it will not be insisted on.

When there are not more than three candidates in one place, it will be at the discretion of the Department to allow a separate examination, or to require the candidates to go to a neighbouring centre.

Special Local Secretary.

XXVI. In large towns or populous districts where there are three or more schools, and where numerous examinations are to be held, the Science and Art Department may at its discretion require a Special

Local Secretary to be appointed to manage the whole of the examination business. The Department will correspond with him alone on all subjects connected with the examination. He will be allowed a fee of ten guineas, and an extra fee of half a guinea for each night that an examination is held.

The rule requiring an amalgamated examination to be held in some one public building (*see* § XXV.) will be adhered to also in this case. Even where no sufficiently large public building can be obtained, or where there may be other insuperable difficulties to holding the examinations at one centre, the one Special Local Secretary must still be the one medium of communication with the Department, and will be responsible for all arrangements subject to the approval of the Science and Art Department.

Election of Special Local Secretary.

XXVII. The election of the Special Local Secretary will rest with the Local Committees; or failing their coming to an agreement he will be nominated by the Mayor or other principal municipal authority.

The Special Local Secretary must be nominated for the approval of the Science and Art Department from year to year, before the 15th of March.

Examination of external Students.

XXVIII. Besides the registered students of a class, any other person may present himself for examination before the Local Committee whenever an examination is being held for the class. *Before the 26th of March he must apply to a Local Secretary, who will forward his name to the Department on Science Form No.* 119, and if required by the Local Committee he will have to pay a registration fee of not more than 2*s.* 6*d.* Arrangements must therefore be made by the Local Committee, or the General Examination Committee, as the case may be, to give accommodation at the examination to all outside candidates *who have given the proper notice*, as well as to the students in the class for which the Committee act, to sit at the examination.

The registration fee of 2*s.* 6*d.*, which such candidates may be required to pay, is to reimburse the Committee for any extra expenses incurred by such attendance, and may at their option be reduced or remitted.

Queen's Prizes.

XXIX. To all successful students are given printed lists of results showing their position; to the first class in each stage are given Queen's prizes, consisting of books or instruments chosen by the candidates from lists furnished for that purpose. (*Apply for* Science Form No. 110.)

No Queen's prize or medal will be given to a student in the advanced stage unless he have previously passed in the elementary stage, or been successful under the old system.

Candidates eligible for Prizes.

XXX. The prizes are unlimited in number, and are open to all candidates who come within either of the following categories:—

(1) Students in Science Classes under Teachers qualified to earn payment.

(2) Registered Students in Artisan Classes taught by other Teachers.

The following are not eligible for prizes:—

a. Students who have previously received the same, or a higher class, in the same subject; and

b. Teachers earning or who have earned payments on the results of instruction. Also

c. Persons who are or have been students of the Queen's Colleges in Ireland, the Royal School of Mines, London, the Royal College of Science, Dublin, the Royal Dockyard

Appendix A.

MINUTES AND CORRESPONDENCE.

Schools, and other institutions receiving State aid for instruction may compete for the Whitworth and other Exhibitions and Scholarships of the Department, but they cannot take Queen's prizes and medals, except in those subjects which are not taught *as a portion of the regular course* in the Institutions to which they belong.

Queen's Medals.

XXXI. Four medals, one gold, one silver, and two bronze, are *given in the class examination* in each subject for competition among the bonâ fide students of Science Classes who either come within the category of persons on account of whom payments can be earned or are under 17 years of age.

Only registered students of schools and classes under Local Committees *(see § X., p. 4)* can take medals: middle class students, *persons engaged in teaching,* as well as *teachers in training, who are more than 17 years of age,* even if qualified as above, are *ineligible for them.* Should a student take more than one gold, silver, or bronze medal, he will receive books instead.

PAYMENTS ON RESULTS.

Qualification for earning payments on results.

XXXII. Payments are made on the results of instruction when it has been given by teachers who have qualified in either of the categories mentioned below: And no payments are made on account of instruction given in subjects in which the teacher is not so qualified.

The qualification consists in having—

a. obtained a teacher's certificate in any of the before-mentioned sciences according to the rules in force previous to January 1867; or,

b. obtained a First or Second Class in the advanced stage at the May class examination since that date; or,

c. taken honours at the May examination.

In Mathematics a First Class in each stage will from and after May 1870 *qualify the holder to earn payments on the results of instruction in that stage, and a First Class or Honours in stages* 3, 5, *and* 7, *on the results of instruction in the preceding stages.*

Teachers already qualified to earn payments in "Elementary Mathematics" are qualified in stages 1, 2, *and* 3, *and teachers already qualified in "Higher Mathematics" are qualified in all the stages of Pure Mathematics.*

Honorary and 3rd grade Art Certificates.

XXXIII. The examination for qualification to earn payments on results of instruction will be dispensed with in the case of a candidate who has taken a degree at any University of the United Kingdom, or who has obtained the Associateship of the Royal School of Mines, London, or the Royal College of Science, Ireland.

Before such a candidate *commences to teach, in order to earn payment on results,* he must make formal application to the Department to be recognised as a Science teacher, and he must furnish full particulars of his occupation and position, accompanied by his diploma or a certificate from the registrar of his University.

Teachers who, previously to the 28th January 1869, have obtained Art certificates of the third grade are also qualified without further examination to earn payments on the results of their instruction in subjects I., II., and III., under the same rules and on the same conditions precisely as Science teachers. *It must be clearly understood that to claim these payments the rules of the* **Science Directory** *must be adhered to.*

XXXIV. Payments on results are made at the discretion of the Department either directly to teachers or to the Committee or managers of the school. Payments to whom made.

XXXV. Payments are only made to the teacher or to the Committee on condition that the student has received 25 lessons at least from the teacher or teachers in each subject in which payment is claimed since the last examination, each lesson being an attendance at a meeting of the school of at least three-quarters of an hour's duration on a separate day. The 25 lessons need not necessarily be all given in one year, but may extend over a longer period. Conditions.

It must be clearly understood that the number (25) of lessons which the teacher is required to give is the minimum fixed as a criterion that the pupil has received his instruction from the teacher. It is not meant in any way to specify that that amount of instruction is sufficient, or to guarantee the teacher's receiving payment, if that amount of instruction alone is given.

XXXVI. Payments are made to the qualified teacher on account of the instruction of students of the Industrial Classes only. Payments made for instruction of Industrial Classes.

Under "Students of the Industrial Classes" are included only:— Definition of Industrial Classes.

a. Artisans or operatives in the receipt of weekly wages.

b. Coastguards, policemen, and others who, though in receipt of weekly wages, do not support themselves by manual labour.

c. Persons in the receipt of salaries not large enough to render them liable to the income tax, as some descriptions of clerks, shopmen, &c.

d. Small shopkeepers employing no one but members of their own family, and not assessed to the income tax.

e. Tradesmen and manufacturers on their own account, supporting themselves by their own manual labour, not employing apprentices, journeyman, &c., and not assessed to the income tax.

f. The children (not gaining their own livelihood) of all such persons above-mentioned.

XXXVII. The payments claimable for each student who has passed in either stage, in each subject are—2l. for a first class, and 1l. for a second class. But no payments are made on account of a student who has been previously successful in a higher stage of the same subject. *Payments claimable on the results of the Class Examinations.*

If the student has been previously successful in the same stage of the same subject, the payment on his account is reduced by the payment which was claimable on such previous success.

For instance, the 2l. payment for a first class would, if the student had previously taken a second class in the same stage, be reduced by 1l.

Deductions are also made in payments on account of Subject I. to the amount of any payments that have been made on the Second Grade Examinations in Art, in Practical Geometry, Perspective or Mechanical Drawing.

XXXVIII. On each student who passes in the First or Second class in Honours 4l. and 2l. respectively are claimable, provided the student has already passed through the elementary and advanced stages after instruction in a Science Class in connexion with the Department. *Payments claimable on the results of the Honours Examinations.*

XXXIX. Payments will be made on the results of the May 1870 examination on the following scale in the case of pupils who have been successful at the examination in May 1869, or at any previous examina- *Payments claimable on Candidates previously successful.*

Appendix A. MINUTES AND CORRESPONDENCE.

tions in the elementary stage of the same subject (except as respects Mathematics, for which see next Rule):—

a. For a first class in the elementary stage—the student having previously obtained a third class—1l. 10s.

b. For a first class—the pupil having previously obtained a second class—1l.

c. For a second class—the pupil having previously obtained a third class—10s.

XL. As respects Mathematics (Subjects IV. and V.) the arrangements with regard to the previous successes of students will be understood from the following table. The corresponding divisions of the subject under the old and new systems are given in the columns A. and B. With a previous success, therefore, as given in column A., no payment will be made on account of the corresponding success at the May 1870 examination, as given in column B.

A.	B.
ELEMENTARY MATHEMATICS.	*PURE MATHEMATICS.*
3rd Class, First Stage	*Stage 1.*
2nd „ „	*do. and 2nd Class of Stage 2.**
1st „ „	*do. and Stage 2.*
2nd „ Second Stage	*Stages 1 and 2.*
1st „ „	*do. do. and 2nd Class of Stage 3.*
HIGHER MATHEMATICS.	
3rd Class, First Stage	*Stages 1, 2, and 3.*
2nd „ „	*do. do. and 2nd Class in Stage 5.*
1st „ „	*do. do. and 2nd Class in Stage 6.*
2nd „ Second Stage	*Stages 1, 2, 3, and 6, and 2nd Class in Stage 5.*
1st „ „	*do. 1, 2, 3, 5, 6 and 2nd Class in Stage 7.*

Payments on Students intending to become Teachers.

XLI. The Rule which makes the payments not cumulative in the two stages of a subject is not applied—except as regards Mathematics—in the case of Students who, in May 1870, are bonâ fide *passing for, and intend at once to become, Science Teachers. The payments, if they pass in the First or Second Class of the Advanced Stage, will be 4l. and 3l. respectively.*

Teachers who propose to bring up pupils and to claim under this exemption must apply on Science Form No. 364A., not later than the 28th February, so that their cases may be considered. No claim will be admitted unless this rule has been complied with.

Form of Claim for Payment.

XLII. The claim for the payments must be made on Science Form No. 51. The voucher must be signed by the secretary or chairman and two members of the Committee at least, at a meeting of the Committee held specially for the examination and certification of the claim. (*See* Science Form No. 51, Appendix A., page 35.)

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* If a student passes in the First Class of the Second Stage, the teacher will then receive 1*l.* on his account.

Registers.

XLIII. A general register must be kept for the school, and an attendance register for each class in each subject, on Forms which will be supplied on application. (*Apply for* Science Forms Nos. 139 and 139A.) These registers must be made up from day to day, and will be examined and approved by the Inspector on his visit. They must be sent to the Department with the claim for payment, and no grants will be made unless the registers are properly kept.

a. The Committee must keep a General Register (Science Form No. 139) of all the pupils attending the Science Classes under their supervision, in which the name, age, address, and occupation of each student must be entered. This register must be filled in by the Secretary or a member of the Committee, and not by the teacher.

b. For every class the teacher must keep a register of attendance (Science Form No. 139A), in which he will enter the presence or absence of the students at each lesson. The Committee is held responsible for the entries being correct.

c. A register must also be kept of the attendance of the members of the Committee at their different meetings. (*See* page 8 of Science Form No. 139.)

Instruction in an Elementary School.

XLIV. All payments to qualified teachers on account of Science teaching are made by the Science and Art Department, and are only made in respect of a school in connexion with the Science and Art Department. No such payments are made in respect of any instruction in Science that may be given during the three attendances of an Elementary School receiving aid from the Educational Department, Whitehall.

Use of Elementary School premises.

These grants are only made while the teacher is giving instruction in a day or evening school or class for the industrial classes (adults or boys), approved by the Science and Art Department, and open at any time to the visit and inspection of its officers. The managers of an Elementary School under the inspection of the Education Department can permit their premises to be used for Science teaching, provided that no interference be allowed with the primary purposes of such Elementary School, or in any way with the three attendances of the Elementary School.

Instruction in Institutions receiving State aid.

XLV. No payments on the results of instruction in those branches of Science which are taught in Institutions receiving State Grants, such as the Queen's Colleges in Ireland, the Royal School of Mines, London, the Royal College of Science, Dublin, and the Royal Dockyard Schools, will be made on account of the pupils who are or have been students of those institutions.

No payments are made on account of students passing in Stage 1 *of Mathematics, who are,—*

a. Students in Training Colleges receiving State aid.

b. Teachers trained at the public expense.

Examination by the Inspector.

XLVI. On the occasion of his periodical visit to the school or class, the Inspector will inquire and see how the instruction is being given, examining the pupils, if necessary, *viva voce*, and report if there is sufficient apparatus for the satisfactory teaching of experimental science. If the Inspector's report of any school shows that the instruction is inefficient, and that from the deficiency of proper apparatus, &c. it cannot be otherwise, the Science and Art Department may refuse to make payments on the results of the examinations.

Appendix A.

MINUTES AND CORRESPONDENCE.

SCHOLARSHIPS AND EXHIBITIONS.

Scholarships and Exhibitions.

XLVII. In order to assist persons belonging to the industrial class who may show an aptitude for scientific instruction, the Science and Art Department makes grants to aid local efforts in founding scholarships and exhibitions. The scholarship is intended to maintain the student while remaining at the elementary school, and the exhibition to support him while pursuing his studies at some central institution where the instruction is of a high grade.

Local Scholarships.

XLVIII. There are two forms of local scholarship in connexion with elementary schools:—

(1.) The Elementary School Scholarship;

(2.) The Science and Art Scholarship.

By elementary school is understood any school where elementary instruction is given, whether aided by the State or not.

Elementary School Scholarships.

XLIX. *Elementary School Scholarship.*—The Science and Art Department will make a grant of 5*l.* towards the maintenance of a deserving student to the managers of any elementary school who undertake to support him for one year and subscribe at least 5*l.* for that purpose.

Conditions of obtaining the Elementary School Scholarships.

Conditions.—

a. With any number of scholars up to 100 on the register of the school there can be but one such Scholarship; above 100 and up to 200 two Scholarships, and so on for each 100.

b. The Scholarship or Scholarships must be awarded in competition to the most successful student or students in some examination of the school. The absolute terms of the competition and the award of the Scholarship will be left to the managers of the school, subject to the approval of the Science and Art Department.

c. The scholar must be a student of the industrial class, as defined above (*see* § XXXVI., p. 13), and be between 12 and 16 years of age.

d. He must not be the teacher, pupil-teacher, or other paid servant of the school.

e. He must continue regularly to attend the day school, and—

f. Obtain *at least a second class* in the elementary stage in some one or more branches of Science at the succeeding May examination of the Science and Art Department, after which the Department grant of 5*l.* will be paid.

Date of application and of grant.

Application must be made for the Elementary School Scholarships before the 1st March in one year, and the Department grant will be paid after the May examination in the next year. (*Apply for* Science Forms Nos. 280, 281, 282.)

Science and Art Scholarship.

L. *The Science and Art Scholarship.*—The Science and Art Department will make a grant of 10*l.* towards the maintenance of a student at an elementary school who has taken a first grade in Freehand or Model Drawing and Elementary Geometry (*see* Art Directory, p. 16), and passed in one of the subjects of Science, provided that the managers of the school undertake to support him for one year and subscribe 5*l.* for that purpose.

The examination in drawing can, where there is no Art Certificated Teacher, be held by the Science Class Committee, to whom the necessary papers will be sent.

Conditions.— Conditions of obtaining the Science and Art Scholarship.

a. With any number of scholars up to 100 on the register of the school there can be but one such Scholarship; above 100 and up to 200 two Scholarships, and so on for each 100 scholars.

b. The Scholarship or Scholarships will be awarded to the most successful student or students in the school.

c. The scholar must be a student of the industrial class, as defined above (*see* § XXXVI., p. 13), of between 12 and 16 years of age.

d. He must not be the holder of an Elementary School Scholarship, the teacher, pupil-teacher, or other paid servant of a school.

e. He must continue regularly to attend the day school, and—

f. Obtain a higher class in the subject of Science in which he has already passed, or pass in some other subject.

g. In each year of holding the Scholarship he must pass either in a higher grade of the same subject or in a new subject.

Application for the Science and Art Scholarship must be made before the 1st March in one year; the successful competitors for the scholarship will be decided at the May examinations of that year, and the Department grant of 10*l.* will be paid after the May examination in the next year. (*Apply for* Science Forms Nos. 283, 284, 285.) Date of application and of grant.

LI. It rests with the local managers of the scholarships—whether "Elementary School" or "Science and Art"—to determine for how many years the student may hold the scholarship, but in no case can he be allowed to hold it for more than three years. Renewal of grants for Scholarships.

LII. For advanced scientific instruction, the Department offers exhibitions to enable students to complete their education at some college or school where scientific instruction of an advanced character may be obtained. These exhibitions are of two kinds :— Exhibitions.

(1.) The Local Exhibition.
(2.) The Royal Exhibition.

LIII. *Local Exhibitions.*—The Science and Art Department will make a grant of 25*l.* per annum to the Managers of any school or educational institution, or any Local Committee formed for the purpose, who will raise the like sum by voluntary contribution for the maintenance of a student at some college or school where scientific instruction of an advanced character may be obtained. The exhibition may last for one, two, or three years. Local Exhibition.

Conditions.— Conditions of obtaining it.

a. The exhibition must be awarded in competition in one or more branches of Science at the May examination of the Science and Art Department. The managers may select any branch or branches of Science for the competition, and if more than one be taken they may fix any relative amount of marks they consider best to assign to them.

b. The place or places where the exhibition is to be tenable and where the student is to pursue his studies may be fixed by the managers subject to the approval of the Science and Art Department, provided that the exhibitioner shall always have the option of going to one of the following institutions:—The Royal School of Mines or Royal College of Chemistry, London, or the Royal College of Science, Dublin. If either of the Government institutions be selected, the fees of the student will be remitted.

c. The exhibitioner must be a student of the industrial class, as defined above (*see* § XXXVI., p. 13).

d. The grant of the Department will be paid from year to year on condition that a like payment has been made by the managers

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or Local Committee, and that the student has pursued his studies satisfactorily according to regulations fixed by the Department.

Date of application.

The Local Exhibition must be applied for before the 1st March. (*Write for* Science Forms Nos. 286, 287, 288.)

Thus, for example, a Local Exhibition which is to be competed for in May 1875 must be applied for before the 1st March 1875, and the Department grant will be given after the May examinations in 1876.

Royal Exhibitions.

LIV. *Royal Exhibitions*, of the value of 50*l.* per annum tenable for three years, to the Royal School of Mines, London, and the Royal College of Science, Dublin, are given in competition at the May examinations.

Competition for and conditions of holding them.

There are nine Royal Exhibitions to the Royal School of Mines, Jermyn Street, and nine to the Royal College of Science, Dublin. They are of the value of 50*l.* per annum each, and are tenable for three years. Three exhibitions to each institution are therefore generally vacated each year. They are competed for at the May examinations, and are held from year to year for three years, on the condition that the holder attends the lectures regularly during those years, and passes the examinations required for the associateship of the school. The exhibitions entitle the holders to free admissions to all the lectures, and to the Chemical and Metallurgical Laboratories at those two institutions.

Persons not eligible for them.

All persons over 21 years of age, excepting artisans, and such as come within the category of persons paid upon under § XXXVI., p. 13, will be excluded from competing for the Royal Exhibitions. Special cases, however, must be determined according to the spirit of the rules, and the object of the endowment.

Calculation of results in the competition for Royal Exhibitions.

LV. The competition for the Royal Exhibitions will be determined as follows:—

The maximum number of marks obtainable in each subject, except Mathematics, will be in the—

Elementary stage - - -	100
Advanced stage - - -	200
Honours - - - -	400

In Mathematics the numbers will be in the—

1st stage - -	100		
2nd „ - -	200		
3rd „ - -	300	*Honours*	500
4th „ - -	150		
5th „ - -	300	*Honours*	500
6th „ - -	200		
7th „ - -	400	*Honours*	400

But in each case the number of marks gained in the Elementary Stage (or in the 1st stage in Mathematics) will be diminished by the minimum number required to pass in that stage, and the number of marks gained in the other stages will be diminished by 20 per cent. of the marks obtainable in that stage.

The remainder will then be added together to determine the candidate's position.

But no candidate will be allowed to take an Exhibition who has not obtained at least as many marks as are required for a second class in stage 2 of Mathematics.

Whitworth Scholarships.

LVI. *Sir Joseph Whitworth's* scholarships of the value of 100*l.* per annum, tenable for two or three years, are also given in competition at the May examinations.

Full instructions as to the subjects, time, place, conditions, &c. of the competition for these scholarships are given in the **Whitworth**

Prospectus, which can be had on application to the Secretary, Science and Art Department.

BUILDING GRANTS.

Grants in aid of building Science Schools.

LVII. A grant in aid of a new building, or for the adaptation of an existing building, for a School of Science may be made at a rate not exceeding 2*s.* 6*d.* per square foot of internal area, up to a maximum of 500*l.* for any one school, provided that the school—

a. be built under the Public Libraries Act (13 & 14 Vict. c. 65.; 18 & 19 Vict. c. 70.; 29 & 30 Vict. c. 114.), (*see* Summary of the Law relating to the establishment and maintenance of Public Libraries, &c., *Appendix A. of this Report*, p. 39); or—

b. be built in connexion with a School of Art aided by a Department building grant.

And provided that there is a population in the neighbourhood which requires a School of Science; that it is likely to be maintained in a state of efficiency; and that the site, plans, estimates, specifications, title, and trust deeds are satisfactory.

The regulations under which building grants to Schools of Science are made will be found in Appendix A., p. 43. (*Apply for* Science Form No. 349.)

APPARATUS GRANTS.

Grants for apparatus.

LVIII. A grant towards the purchase of apparatus, diagrams, &c., of 50 per cent. on the cost of them, is made to Science Schools and Classes taught by duly qualified teachers under the supervision of Committees constituted in accordance with the § X., p. 4, and approved by the Department.

If at any time it is found that the apparatus, examples, &c., towards the purchase of which a grant has been made are not properly taken care of, the aid of the Department may be withdrawn.

Grants on the same scale will also be made to schools or classes not under qualified teachers in cases where the total value of the apparatus required is not above 10*l.*

Grants of apparatus to endowed schools.

LIX. As a general rule no endowed school is eligible to receive a grant towards the purchase of apparatus, &c., unless considerable local contributions are made in aid of it; and then only when the apparatus is clearly necessary.

Catalogues of apparatus.

LX. Catalogues containing priced lists of apparatus, instruments, diagrams, books, &c. from various manufacturers have been prepared in the following sciences, and can be had on application :—

(1.) Practical Geometry, Machine and Building Construction, and Mechanics.
(2.) Experimental Physics.
(3.) Chemistry.
(4.) Geology and Mineralogy, Natural History (Physiology, Zoology, and Botany), and Physical Geography.

These catalogues contain the highest price of each article on which the aid of 50 per cent. is given. The applicant is at liberty to select a higher priced article, but the aid towards the purchase of it will be only 50 per cent. of the highest price above mentioned. Should a lower priced article be selected the aid will only be to the extent of 50 per cent. of its price.

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Schools are also permitted to select a single copy of each of the text books given in the Syllabus, towards the purchase of which similar aid will be granted.

Method of obtaining grants.

LXI. Committees requiring aid in the purchase of apparatus, &c., should apply for Science Form No. 49, and also for the catalogues referred to in the previous rule.

The Committee of the School or class may select any of the manufacturers whose names are given in the catalogues.

Orders from different tradesmen must be made on separate forms.

In filling up the Form No. 49, the number of the apparatus given in the catalogue must always be mentioned.

Payments to manufacturers.

LXII. Payments, including charge for packing, must be made in advance to the manufacturers on receipt of the invoice. The goods to be sent at the risk of the purchaser. On obtaining a receipt from the Committee of the School (which is included in the form of Requisition) that the articles have been received, the remaining 50 per cent. will be paid to the manufacturer by the Department.

Limitation of grants.

LXIII. Apparatus grants are rigorously confined to articles of a non-destructible nature; hence no aid will be afforded in the purchase of breakable articles, such as glass retorts, tests tubes, &c., nor, indeed generally, in the purchase of articles to be used by the student, as distinguished from those of a permanent and illustrative character which are required by the teacher in giving instruction in Science.

Grants are only made in the purchase of one object of the same kind. Duplicates of apparatus, &c. are not allowed at the reduced rate.

SUPPLEMENTARY GRANTS IN CERTAIN SUBJECTS, AND SPECIAL AID TO TEACHERS AND STUDENTS.

Navigation Schools.

LXIV. In addition to the ordinary Science examinations in May, class examinations are held in Mathematics, Navigation, Nautical Astronomy, Steam, and Physical Geography for the benefit of seafaring men—and for them only—three times a year in all seaports where Local Committees are formed and are willing to undertake them. These examinations take place in the beginning of March, September, and December. The application for these examinations must be made on Science Form, No. 119 before the 10th day of the previous month.

After May 1870 *these examinations will only be allowed when there are at least* 40 *candidates for examination, and in such subjects and stages only as there are* 40 *candidates.*

The payments to properly qualified teachers (*see* § XXXII., p. 11) on the results of the quarterly examinations for seamen, will be according to the same scale as that laid down for the ordinary May examinations (see § XXXVII., p. 13), and the regulations with regard to Committees (see §§ X. to XVI., pp. 4 to 6), registers (see § XLIII., p. 15), and number of lessons (see § XXXV., p. 12), must also be carried out in the case of Navigation Schools.

Extra grants in Subjects II. and III.

LXV. In order to encourage the artistic ability which may be shown in drawings of buildings and machines executed by students in Science classes, as exercises in Subjects II. and III. (*see* List of Science Subjects, p. 3), additional grants are made on the same scale as those for works executed in Art schools or classes.

a. The Local Committee or the teacher of a Science school or class satisfying the conditions stated in the next rule is entitled to

receive a payment not exceeding 15*s.* for any one student, on account of every artisan student who shall submit satisfactory works executed in the school or class during the then current school year.

(1.) In Mechanical and Machine drawing; and,

(2.) In drawing details of Architecture from copies.

(Art Directory, p. 24, § 3*b*, and p. 36, Stage 23*a*.)

b. The Local Committee or the teacher of a Science school or class is entitled to receive a payment not exceeding 20*s.* for any one student, on account of every artisan student who shall submit satisfactory works, executed in the school or class during the then current school year, in drawing or designing for Architecture.

(*See* Art Directory, p. 25, § 3*c*, and p. 36, Stage 23*b*.)

c. Architectural Drawings of the class referred to in the preceding paragraph (§ *b*), executed by students in Science schools or classes are admissible to the advantages of the National Art Competition. (*See* Art Directory, p. 29, § 11.)

The works of students of classes in Subjects II. and III. are not excluded from the advantages of this rule, even if such students should be teachers in other Science subjects.

Condition of obtaining extra grants.

LXVI. Local Committees, teachers, and students of Science schools may avail themselves of the aid offered under the provisions of the above rule, if the teacher be duly qualified in accordance with § XXXII. (*see* p. 11), to earn payments on the results of examination in Subjects II. and III., and have passed the second grade examination in Freehand Drawing (*see* Art Directory, p. 16).

This last condition will not be imposed on those teachers who, being qualified in Subjects II. and III. before the year 1869, have passed not less than one hundred pupils in either subject, or fifty in both subjects.

Full particulars of the aid given to Art schools and classes will be found in the Art Directory, which can be had on application to the Secretary, Science and Art Department.

Free admissions to School of Mines and College of Science.

LXVII. Free admissions to the lectures at the Royal School of Mines, Jermyn Street, or the Royal College of Science, Dublin, are granted to any person who takes a gold medal in the May examination.

Admission to Educational and Art Libraries.

LXVIII. Candidates who have obtained a first or second class in the advanced stage may obtain tickets of admission to the Educational and Art Libraries at the South Kensington Museum on application, by letter, addressed to the Secretary of the Science and Art Department.

Visits of teachers to London.

LXIX. Science teachers who have taught two years consecutively and passed not less than 30 students each year, are allowed 2nd class railway fare and 3*l.* towards their expenses while living in London—on condition that they remain there five days at least—for the purpose of visiting the South Kensington Museum and other Metropolitan institutions, in order that they may acquire for the benefit of their students a knowledge of the latest progress in those educational subjects which affect the schools.

Special arrangements with regard to these visits may be made from year to year.

Before he proposes to take advantage of the grant the teacher must make application to the Secretary, Science and Art Department: he must also keep a diary (*apply for* Science Form No. 302) during his stay in London, giving the names of the institutions he has visited, with brief observations on them.

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Note.—All the forms alluded to in the foregoing summary, as well as the *Science Directory* and the *Art Directory* (price 6*d.* each), may be obtained on application to the Secretary, Science and Art Department, South Kensington, London, W.

Letters so addressed need not be prepaid in the post.

WHITWORTH SCHOLARSHIPS.

At South Kensington, the 29th day of May 1869.

By the Right Honourable the Lords of the Committee of Her Majesty's Most Honourable Privy Council on Education.

AWARD OF WHITWORTH SCHOLARSHIPS, PRACTICAL EXAMINATION, &c.

Rules relative to the award of the Whitworth scholarships for 1869.

1. My Lords have, in concert with Mr. Whitworth, made the following rules for awarding the Whitworth Scholarships this year, and for holding the examinations in handicrafts and in the practical use of tools.

2. It was decided that the Scholarships were to be awarded according to the results of the examination of the Science and Art Department in the following subjects, as defined in the Science Directory:—(1) elementary mathematics; (2) higher mathematics; (3) theoretical mechanics; (4) applied mechanics; (5) practical, plane, and solid geometry; (6) machine construction and drawing; (7) acoustics, light and heat; (8) magnetism and electricity; (9) inorganic chemistry; (10) metallurgy; and according to the skill shown by the competitors in a special examination in the following handicrafts:—(1) smiths' work; (2) turning; (3) filing and fitting; (4) pattern making and moulding, or in the use of the following classes of tools—the axe, the saw and plane, the hammer and chisel, the file, or the forge.

Theoretical subjects.

3. Mr. Whitworth desired that the number of marks obtainable in the theoretical subjects and those obtainable by the most skilled workman should be about equal. And it was decided that no candidate should be eligible to obtain a Scholarship who had not shown a satisfactory knowledge of elementary mathematics, elementary mechanics, and practical, plane, and solid geometry, passed in freehand drawing, and proved his power to use one at least of the before-mentioned classes of tools.

4. The relative position of candidates as regards the theoretical subjects will be determined by affixing the same scale of marks to the several grades of success as is laid down for the competition for Royal Exhibitions, viz.:—

	Marks.
For a 3rd class in Elementary Stage	1
2nd „ „	3
1st „ „	5
2nd class in Advanced Stage	5
If previously successful in Elementary Stage	7
1st class in Advanced Stage	7
If previously successful in Elementary Stage	9

And 5, 4, 3, 2, and 1 marks in addition to the first five candidates in the advanced stage if they obtain more than 90 per cent. of marks.

	Marks.
For honours—2nd class	14
1st class	17

"Good" in freehand drawing will count as 1 mark, and "excellent" as 3 marks.

5. The "satisfactory knowledge"* required for passing in the subjects mentioned in § 3 will be taken to mean the obtaining of a first class in the elementary stage of elementary mathematics, a second class in the elementary stage of theoretical or applied mechanics, a second class in the elementary stage of practical, plane, and solid geometry, and a "good" in freehand drawing.

6. The results of the examination in all the theoretical subjects will be published about the middle of June. It will then be possible to define within comparatively narrow limits the candidates amongst whom the competition will really lie. These will be directed to hold themselves in readiness to undergo the practical examination which will be conducted at a certain number of centres by qualified persons.

Practical examination.

7. The practical examination is of two kinds. There is the examination of the handicraftsman or skilled artisan, and there is the *qualifying* examination in the use of certain tools.

8. The examiners will decide on the number of marks to be awarded, and the position of the skilled artisans by the rate of wages, &c., which they have been receiving (as vouched by the certificates of their employers), by work specially executed for the occasion, or by an inspection of work upon which they may have been employed.

Examination in the use of tools.

9. The examination in the use of tools will be the performance of one or more of the following pieces of work.

The Axe.

a. To square up a block of wood a foot long and six inches in diameter.
b. To make a spoke for a cart wheel.
c. To be able to shaft an axe.
d. To cut out wheel spokes ready for fitting into nave.

The Saw and Plane.

a. To saw from a plank two pieces of timber three feet long and three inches square and plane them up true.
b. To make a box 18″ long × 9″ wide × 9″ deep, planed up true and the joints dovetailed together.
c. To saw out and plane up two parallel strips 2′ 0″ ▮ 2″ × ⅜″.

The Hammer and Chisel.

a. To chip a piece of cast iron six inches square over on one of its surfaces ready for filing.
b. To cut out of sheet iron (any gauge) a figure or letter of any size from 1″ to 6″.

The File.

a. To file two sides of a cast-iron inch cube as flat as possible with a Stubbs' twelve-inch second cut file, the stroke of the file not being less than nine inches.
b. A wrought-iron hexagonal nut ½″ or 1″ to be filed up true.
c. To file up two parallel strips, iron or steel.
d. To file up pocket square as true as possible.

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* The papers of candidates who have taken the Honours papers and failed in obtaining a class will *this year* be specially considered, and if it shall appear that the candidates show such knowledge as would undoubtedly have placed them in the first class, in the Elementary stage, they will be passed: that is to say, they will be considered to have satisfied the condition of showing a "satisfactory knowledge," but no marks will be given for these papers in the competition.

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The Forge.

a. To weld or join together two pieces of iron three-quarters of an inch square.

b. To make a pair of smith's tongs.

c. To make the head of a hammer.

d. To make a pick.

e. To make 2ft. ¾in. chain with hook and ring.

f. To make a horse-shoe complete.

g. To cut off and draw out chipping chisel or drill and afterwards harden.

h. To make a pair of small callipers.

i. To make a pocket square.

10. A competitor is not restricted to one only of the handicrafts, nor to the use of one class of tools; but he may show his skill in two or more. His position and the number of marks to be awarded to him will be determined by his general skilfulness as a workman. A skilled mechanic will thus be enabled to obtain credit and improve his position by showing his power of using those classes of tools not properly belonging to his own handicraft, and the ordinary student may in like manner, instead of simply qualifying in the use of a certain class of tools, show his skill in one of the handicrafts mentioned.

11. To those who merely qualify in the use of tools a certain proportion of the marks obtainable for practical workmanship will be given according to their relative skill. These marks will count towards the general result.

12. The travelling expenses of poor students—2nd class railway fare, with a personal allowance of 10*s.* per diem—will be allowed to enable them to attend at the places where the practical examinations are to be held.

At South Kensington, the 3rd day of March 1870.

By the Right Honourable the Lords of the Committee of Her Majesty's Most Honourable Privy Council on Education.

Present:—The Earl de Grey and Ripon, K.G.
The Right Hon. W. E. Forster, M.P.

Rules relative to the award of the Whitworth Scholarships for 1870.

My Lords consider the rules for the competition for the Whitworth Scholarships.

The competition for Whitworth Scholarships in 1869 having shown that there were great, if not insuperable, difficulties in carrying out the examinations strictly as contemplated in the original programme, a modification in the plan of competition was proposed. In accordance with Sir Joseph Whitworth's letter of the 4th May 1868, in which he states that "as respects the preparation of the necessary details for the "examinations in the use of tools, I am willing to be responsible "myself, with the aid of friends, and I propose to obtain the consent "of a few gentlemen to advise with me from time to time in whatever "may arise in the future for my consideration," the proposal was referred to him.

Sir Joseph Whitworth after consulting several gentlemen, and discussing the subject at Birmingham, on the 27th January 1870, with Mr. Ramsbottom, President of the Institution of Mechanical Engineers, Mr. E. J. Reed, Chief Constructor of the Navy, Mr. Cole, and Capt Donnelly, has expressed his approval of the following proposed changes.

My Lords therefore direct that they shall be carried out.

REGULATIONS FOR THE EXAMINATIONS.

1. The Whitworth Scholarships are of the value of 100*l.* a year, and are tenable for two or three years, as experience may prove desirable.

2. They are *open for competition to all Her Majesty's subjects*—whether of the United Kingdom, India, or the Colonies—who are of sound bodily constitution, and who have not completed the 26th year of their age on the 1st May.

3. **Ten Scholarships will be competed for in May 1870** at examinations, which will be partly in practical workmanship and partly in theoretical subjects.

4. The competition will be in two categories or classes, the "*workman's competition*" and the "*student's competition.*"* In both competitions the examination will be both in workmanship and in theory. The number of scholarships which will be given in each of these classes will be in proportion to the number of those that *qualify* in each class. Subject to the condition that at least one half of the number of scholarships shall be given to the "workman" class if a sufficient number of candidates present themselves.

5. The first part of both competitions will be in the following theoretical subjects:—

N.B.—*The numbers in Roman numerals are those to which these subjects correspond in the list of Science subjects in the Science Directory.*

1. Practical geometry. I.
2. Machine drawing. II.
3. Pure mathematics. IV. and V.
4. Theoretical mechanics. VI.
5. Applied mechanics. VII.
7. Acoustics, light, and heat. VIII.
8. Magnetism and electricity. IX.
9. Inorganic chemistry. X.
10. Metallurgy. XIX.
11. Freehand drawing.

(*Steam.* XXII. *Will be added in the year* 1871).

6. The relative marks in the several subjects and stages, and the method of awarding them, will be the same as in the Royal Exhibitions of the Science and Art Department.†

NOTE.—Full information as to the details of the examinations in the Science subjects will be found in the *Science Directory*, and as to those in freehand drawing in the *Art Directory*. These Directories can be obtained, price 6*d.* each, on application to the Secretary of the Science and Art Department.

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* The words student and workman as here used refer to differences of educational acquirements, and not to differences of age and status.

† The maximum number of marks obtainable in each subject, except Mathematics, will be in the—

Elementary stage - - -	100
Advanced stage - - -	200
Honours - - - -	400

In Mathematics the numbers will be in the—

1st stage	100	
2nd „	200	
3rd „	300	Honours 500
4th „	150	
5th „	300	Honours 500
6th „	200	
7th „	400	Honours 600

But in each case the number of marks gained in the Elementary Stage (or in the 1st stage in Mathematics) will be diminished by the minimum number required to pass in that stage, and the number of marks gained in the other stages will be diminished by 20 per cent. of the marks obtainable in that stage.

The remainder will then be added together to determine the candidate's position.

Appendix A. MINUTES AND CORRESPONDENCE.

7. No candidate can obtain a Scholarship who has not shown satisfactory knowledge of practical geometry, elementary mathematics, elementary mechanics, and freehand drawing. That is to say, he must obtain at least as many marks in practical geometry as are required for a second class in the elementary stage of that subject, in mathematics as many as are required for a second class in the second stage, in theoretical *or* in applied mechanics as many as are required for a second class in the elementary stage, and a "good" in freehand drawing.

8. The second part of the competition will be in *practical workmanship.*

The *workman's* competition will embrace one or more of the following handicrafts:*—

1. Smiths'-work.
2. Turning.
3. Filing and fitting.
4. Pattern making and moulding.

The *student's* competition will be in the use of one or more of the following classes of tools:*—

a. The axe.†
b. The saw and plane.
c. The hammer and chisel.
d. The file.
e. The forge.
f. The lathe for metal turning.

9. Immediately after the theoretical examination candidates will state in which category, whether as students or workmen, they wish to compete.

10. Of those who elect to compete as *students*, a certain number—as many as it may be deemed necessary—of the highest in the theoretical examination, who have qualified, will be selected to attend either at London or at Manchester for examination in the use of tools.

11. Those who elect to compete as *workmen*, and have qualified in the theoretical examination, will be required to furnish information, on forms which will be provided for the purpose, as to their qualifications as workmen, rate of wages, &c., accompanied if necessary by specimens of their work. This information must be certified by their employers or their representatives. A certain number of the candidates will then be selected to attend either at London or Manchester to compete in one or more of the handicrafts mentioned.

12. The eventual position of candidates in each class, whether as students or workmen, will be determined by adding the marks obtained for workmanship to those obtained in the theoretical examination.

13. In deciding on the number of marks to be awarded for workmanship, the examiners will, as a guide in framing their awards, assign the following relative values to the classes of tools mentioned:—

	Marks.		Marks.
The forge - -	10	Lathe - - -	8
The file - - -	10	Saw and plane - -	6
Hammer and chisel -	8	Axe (After 1870 this will be axe and adze, 6) -	4

But the total marks eventually awarded will be not merely an addition of marks obtained in each description of work, but the numbers which the examiners consider represent the relative skill of the candidates as workmen generally. That is to say, great skill in one handicraft or in the use of one class of tools will count more than moderate skill in two or three, and, in the case of exceptional excellence, may have the whole or nearly the whole marks for workmanship awarded to it.

14. Whitworth Scholarships are not tenable with the Royal Exhibitions and Scholarships of the Science and Art Department, nor with Admiralty Studentships and Scholarships of the Royal School of Naval

* Sir Joseph Whitworth has yet to recommend the relative value to be given to the use of tools in the Student's competition.
† After 1870 the adze will be taken with the axe.

Architecture and Marine Engineering. The holders of such exhibitions, &c., are, however, not debarred from competing for the Whitworth Scholarships, and holding them if they resign the other assistance.

At South Kensington, the 11th day of March 1869.

Approved by the Right Honourable the Lords of the Committee of Her Majesty's Most Honourable Privy Council on Education.

SCIENCE TEACHERS' VISITS TO LONDON.

Read Professor Huxley's Report dated 9th February 1869.

1. Professor Huxley says:—"The examinations in Physiology which I have conducted for the Science and Art Department, have exhibited a great increase in the number of candidates and a very considerable improvement in the quality of their knowledge during the last few years."

2. "It appears to me, however, that there is still far too much of mere bookwork; and as the especial value of science, as an instrument of education, depends upon its bringing the mind into direct contact with the facts of nature, I think it is highly desirable that teachers of Physiology should be made aware of the necessity of so doing; and be instructed in the methods by which, with very common and easily cquired materials, they may bring the most important and fundamental facts of Physiology under the direct apprehension of their pupils."

3. "I propose, therefore, that a course of (say) six lectures should be given on the "Method of teaching Physiology" and that these lectures should be made accessible to all science teachers who may wish to profit by them."

4. My Lords approve of this suggestion and propose to have this year, during the latter end of the month of June, two courses of lectures, one on the method of teaching Animal Physiology, and a course of experimental lectures on Light.

5. The courses will consist of six lectures each, and will be given on alternate days. The two courses thus extending over 12 days.

6. To enable teachers to take advantage of these lectures, an extension will be given to the provisions of the Science Directory (§ XXXVI.) for teachers visits to London.

7. All persons who have taken 1st or 2nd second class in these subjects and are engaged in teaching, or can show that they are immediately going to be engaged in teaching, may avail themselves of the aid thus offered and will be allowed second-class railway fare, and 5*l.* for their expenses while in London, on condition that they attend regularly and are reported by the lecturer to have taken advantage of the instruction.

8. All teachers wishing to avail themselves of this minute must apply, explaining their claims, to the Secretary, Science and Art Department, before the end of May.

9. The lectures will be open free to all teachers, and tickets will be sent on application by letter.

(Signed) HENRY COLE,
Secretary.

Memorandum on Science Teachers' visits to London to attend Lectures.

The following teachers are qualified to avail themselves of the Minute of 11th March 1869:—

I. Science teachers who have taught two years consecutively, and

Appendix A.

MINUTES AND CORRESPONDENCE.

passed not less than 30 students each year. *See* § XXXVI., Science Directory.

II. All persons engaged in teaching who have passed in the 1st or 2nd Class in the Advanced Paper in Acoustics, Light and Heat, or in Animal Physiology, at any May Examination from 1867 to 1869 inclusive, or who hold certificates as teachers in these subjects.

[It must be understood that teachers who come to London under the first category must avail themselves of the privilege during the time of the delivery of the lectures and not at any other time.]

Those in the second category who are at present not engaged in teaching, but who propose to open classes will only receive the payment for attending the lectures on their commencing to teach a regular Science Class under a recognised Committee, and that before 1st December 1869.

Teachers, whose duties will prevent them being in London for more than one week, can attend one of the course of lectures. A reduced allowance of 3*l.* will be made in their case in addition to travelling allowance.

Light.

The six lectures in this subject will be delivered at the Royal School of Mines, Jermyn Street, at 8 p.m. on each evening, commencing Monday, 28th June, and ending Saturday, 3rd July.

Animal Physiology.

The six lectures in this subject will be delivered at the Lecture Theatre of the South Kensington Museum, from the 5th to the 10th July. The first lecture at 2 p.m., and the remaining five at 11 a.m.

[Arrangements have been made for as many of the above-named teachers as possible visiting the Royal College of Chemistry and receiving instruction there during their stay in London. Those who wish to avail themselves of this privilege must send in their names as soon as possible.

ART.

Art Directory.

ART DIRECTORY.

The rules of the Art Directory have undergone no material alteration since the date of the last Annual Report, in which they will be found at page 26 of Appendix A.

At South Kensington, the 28th day of January 1869.

Approved by the Right Honourable the Lords of the Committee of Her Majesty's Most Honourable Privy Council on Education.

Aid towards instruction in mechanical drawing.

Aid towards Instruction in Mechanical Drawing.

THE Science and Art Divisions both give aid on account of mechanical drawing as tested by examination. This gives rise to practical difficulties.

I recommend that (as has been done in some cases) all art certificated teachers of the 3rd grade should be allowed to earn science payments in subjects 1, 2, 3, and that the Art Division should discontinue the 2nd grade examination in mechanical drawing, but continue to make payments on account of mechanical drawings sent up with other Art

studies from Art Schools and Night Classes. This will separate Art and Science in this subject.

(Signed) H. A. BOWLER.

I QUITE concur that all who have taken 3rd grade certificates up to the present time should be considered qualified to earn payments in subjects I., II., and III. of Science.

(Signed) J. F. D. DONNELLY.

28th January 1869.

At South Kensington, the 29th day of May 1869.

By the Right Honourable the Lords of the Committee of Her Majesty's Most Honourable Privy Council on Education.

Payments to Committees or Teachers on account of Drawings executed by Pupils of Science Schools, and admission of such Drawings to the advantages of the National Art Competition.

Payments to Science teachers for artistic merit shown in Science Drawings, and admission of such drawings to National Art Competition.

I. My Lords consider the syllabus of the Science Examinations in Machine Construction and Drawing, and in Building Construction (subjects II. and III., Science Directory, § VI.), and so much of the Art Directory as relates to the National Art Competition and to payments on account of Mechanical and Architectural drawings executed by artisan students in the Schools of Art and Night Classes. (Art Directory, pp. 23 to 30.)

II. In order to encourage the artistic ability which may be shown in drawings of buildings and machines executed by students in Science classes, as exercises in subjects II. and III. of the Science Directory, my Lords determine—

(1.) That the Local Committee or the teacher of a Science school or class satisfying the conditions stated in paragraph III. (below) shall be entitled to receive a payment, not exceeding 15*s.* for any one student, on account of every artisan student who shall submit satisfactory works executed in the school or class during the then current school year, (*a.*) in *Mechanical and Machine drawing;* and (*b.*) in *Drawing details of Architecture from copies.* (Art Directory, 1869, p. 23, 3*b*, and pp. 32 and 34, Stages 1*b* and 23*a*.)

(2.) That the Local Committee or the teacher of a Science school or class shall be entitled to receive a payment, not exceeding 20*s.* for any one student, on account of every artisan student who shall submit satisfactory works, executed in the school or class during the then current school year, in *Drawing or Designing for Architecture.* (See Art Directory, 1869, p. 24, article 3*c*, and p. 35, Stage 23*b*.)

(3.) That *Architectural Drawings* of the class referred to in the preceding paragraph (§ 2), executed by students in Science schools or classes, shall be admissible to the advantages of the National Art Competition. (See Art Directory, p. 28, § 11.)

(4.) That the provisions of this Minute shall be applicable to teachers of other Science subjects who may at the same time be students of classes in subjects II. and III.

III. Local committees, teachers, and students of Science schools may avail themselves of the aid offered under the provisions of this Minute on the following conditions, namely:—

(*a.*) That the school or class be constituted in accordance with the regulations of the Science Directory (§§ VIII. and IX.)

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(*b.*) That the teacher be duly qualified, in accordance with article XX. of the Science Directory, to earn payments on the results of examination in *Machine Construction and Drawing* and in *Building Construction* (Science subjects II. and III.)

(*c.*) The teachers qualified, in accordance with rule XX. of the Science Directory, in Machine Construction and Drawing, or in Building Construction, *subsequent to the year* 1868, must also have passed the second grade examination in Freehand Drawing before they can avail themselves of this Minute.

(*d.*) Teachers who were (1) certificated or qualified, in accordance with rule XX. of the Science Directory, in Machine Construction and Drawing, or in Building Construction, *before the year* 1869, and (2) of whose pupils not less than 100 shall have passed in either subject, or 50 in both subjects, may claim the benefit of this Minute without having passed the examination in Freehand Drawing.

Medals of Coachmakers' Company.

Correspondence with Coachmakers' Company.

Coachmakers' Hall, Noble Street, Falcon Square,
London, E.C., April 10, 1869.

SIR,

I HAVE the pleasure to inform you that at the Court held on March 4th, it was resolved that the silver and also the bronze medal of the Company should be placed at the disposal of the Science and Art Department, to be presented to any person or persons (actually engaged in the trade of coach building) who shall pass the best examinations in "Freehand Drawing" and "Practical Mechanics."

After the examinations are held, please favour me with the names and full particulars of the successful candidates, that I may inform them the day the Court will sit, in order that the medals may be presented.

I have, &c.
(Signed) "GEO. W. K. POTTER,"
Clerk of the Coachmakers' Company.

Henry Cole, Esq., C.B.,
Science and Art Department,
South Kensington.

Science and Art Department,
South Kensington, W.
5th May 1869.

SIR,

ADVERTING to your letter of the 10th ultimo, I am directed to inform you that the Lords of the Committee of Council on Education will be happy to give every assistance in awarding the medals placed by the Coachmakers' Company at the disposal of the Science and Art Department. Their Lordships consider that it would be advisable that some gentleman be deputed by the Company to confer with Captain Donnelly, R.E., and Mr. Bowler, the Science and Art Inspectors, as to the details of the award.

I have, &c.
(Signed) HENRY COLE.

G. W. K. Potter, Esq.,
Coach Makers' Hall, Noble Street,
Falcon Square, E.C.

(Copy extract.)

3rd December 1869.

SIR,

ADVERTING to your letter of the 10th April 1869, stating "that at "the Court held on March 4th it was resolved that the silver and also the "bronze medal of the Company should be placed at the disposal of the

" Science and Art Department, to be presented to any person or persons " (actually engaged in the trade of coach building) who shall pass the " best examination in Freehand Drawing and Practical Mechanics," I am directed to inform you that the silver medal has been awarded to Jeremiah Mullins, aged 19, a coach painter by trade, and at present a student in the Cork School of Art.

The bronze medal remains unawarded, as no person engaged in the trade of coach building was examined this year in Practical Mechanics.

* * * * *

I have, &c.
(Signed) NORMAN MACLEOD,
Assistant Secretary.

George W. K. Potter, Esq.,
Coach Makers' Hall,
Noble Street, E.C.

At South Kensington, the 3rd day of June 1869.

By the Right Honourable the Lords of Her Majesty's Most Honourable Privy Council on Education.

Gratuitous admission of National Art Scholars to the Exhibition of the Royal Academy.

Read letter from the Secretary of the Royal Academy, announcing that the Council had granted 30 season tickets for their annual exhibition to the recipients of the gold and silver medals of this Department, which medals are now being awarded;

And that the Council have also granted like season tickets for the use of the 25 national scholars of this department.

My Lords direct that their thanks be conveyed to the President and Council of the Royal Academy for their liberal gift to the students and scholars, and that Mr. Redgrave be directed to prepare a list of such students and scholars, and to transmit it to the secretary, making any necessary arrangements for carrying into effect the intentions of the Council.

At South Kensington, the 25th day of February 1869.

Approved by the Right Honourable the Lords of the Committee of Her Majesty's Most Honourable Privy Council on Education.

Purchase of Water-colour Drawings for Art Schools.

(*See* 16th Report, page 46.)

Purchase of examples for use in Art Schools.

Mr. Redgrave reported to the Board, 1st May 1868, on the desirableness and economy of providing water-colour drawings for circulation, to all Schools of Art, rather than of allowing them to purchase unsuitable examples, the Department providing 75 per cent. of the cost as authorized by their Lordships' Minute of 1st May 1868. This he estimated at 10*l.* per school, or 1,000*l.* on the whole. Authority was given by that Minute to the extent of 500*l.*, and 101 works have been purchased. It would be desirable to extend the purchase, and Mr. Redgrave asks the Board to sanction the expenditure of a further sum of 500*l.* for this service.

SOUTH KENSINGTON MUSEUM.

Complete series of Louvre Engravings presented to the Museum.

PRESENTATION TO THE MUSEUM OF A COMPLETE SERIES OF THE ENGRAVINGS PUBLISHED BY THE ADMINISTRATION OF THE LOUVRE.

At South Kensington, the 6th day of May 1869.

By the Right Honourable the Lords of the Committee of Her Majesty's Most Honourable Privy Council on Education.

The complete series of 4,854 engravings published by the Louvre, and valued at 320*l.*, has been presented to the Museum.

Appendix A. — Minutes and Correspondence.

The Director of the Louvre informed Mr. Owen that the Ministre des Beaux Arts, in forwarding this collection for the acceptance of the Museum, was pleased to have thus the opportunity of recognizing the exchange of works of Art, which had been commenced by the South Kensington Museum in 1867. (*See* page 348.)

My Lords direct that a letter be addressed to the Count de Nieuwerkerke, Director of the Louvre, begging him to convey to the Ministre des Beaux Arts the thanks of my Lords for the series of Louvre engravings, which will form a valuable addition to the works intended for circulation to the Schools of Art.

Dyce Bequest. — Copy of Mr. Dyce's Will.

Dyce Bequest.

(1.) Copy of the Will of the Rev. Alexander Dyce, M.A.

This is the last will of me, the Rev. Alexander Dyce, of Oxford Terrace, Paddington, Middlesex. As to all my books, works of art, and other such effects, I dispose of them as herein-after specially mentioned. And I appoint my friends, John Forster, of Palace Gate House, Kensington, Esquire, and William Macpherson, of Lancaster Gate, Esquire, executors of this my will, to whom I leave nineteen guineas each for the purchase of a ring or other remembrance of me. I give to my faithful housekeeper, Mrs. Elizabeth Choules, an annuity of fifty pounds a year for her life for her sole and separate use, independent of any present or future husband, to be paid to her quarterly in advance from the day of my decease, and I declare that my executors may pay such annuity out of the principal or interest of my general personal estate, or may invest a sufficient portion of my estate as they may think proper for securing such annuity, but not in the purchase of a Government life annuity for her. And as to all the rest and residue of my property and estate, including a portion of my Government life annuity, my executors will sell or realize the same as may be necessary, or as they may think proper, and after payment thereout of my debts, funeral and testamentary expenses, and providing for the said annuity, I direct the residue thereof to be invested and held upon trust for my youngest niece, Elizabeth Dyce, now residing at Southampton, for her life for her sole and separate use, and after her decease I give the same to my godson, Archibald Campbell Maclachlan, the son of my cousin, the Reverend Archibald Campbell Maclachlan, of Newton Vallance, Hants; and as to my collection of books and works of art, consisting of the whole of my rare and valuable and other books, and of my pictures, paintings, drawings, miniatures, antique rings, and curiosities, and all my printed books and manuscripts and any other effects which may in the opinion of my executors come under the description of works of art or articles of virtù (the same being herein-after described as "my said collection"), I give the same in manner following in which I have had regard to the gift of the Sheepshanks' collection of pictures and works of art, which I desire generally to follow, that is to say, I give and bequeath my said collection unto the member of Her Majesty's Government for the time being charged with the promotion of art education now undertaken by the Department of Science and Art, as the ex-officio trustee thereof, upon the following terms and conditions, viz.:—

1. That such ex-officio trustee do within six months from the probate of my will sign a memorandum of the acceptance of the trusteeship, and deliver the same to my executors, and to be by them copied on the probate of my said will, with a memorandum to be signed by them of such acceptance.

2. That a proper and sufficient separate room or gallery in or near to the public buildings built or to be built for the Department of Science and Art, now called the South Kensington Museum, or elsewhere be

set apart or provided for the purpose of holding my said collection (to be called "The Dyce Collection"), and that my said collection be deposited and kept in such room or gallery.

3. The right of property in and possession of my said collection shall be solely in the ex-officio trustee for the time being, but subject to the conditions herein-after expressed, and to be and remain always under his control; and he shall be the sole arbiter of any question that may arise touching the management or disposition thereof under this my will.

4. My said collection shall be used for reference and instruction, and shall be exhibited to the public at such times and under such regulations as the ex-officio trustee shall prescribe, and so soon as arrangements can be properly made by him for that purpose; but no part of my said collection shall ever be sold or exchanged or be dealt with contrary to the true spirit and meaning of the use, disposition, and control thereof herein prescribed; the books to be the subject of special care and preservation, and never to be lent or removed from the collection.

5. My said collection or the conditional bequest thereof hereby made shall not be subject to the provisions of the Act of the 19 & 20 Victoria, cap. 29., intituled "An Act to extend the powers of the Trustees "and Directors of the National Gallery, and to authorise the Sale of "Works of Art belonging to the Public," or to any future enactment of the Legislature which, but for this declaration to the contrary, shall or may have the effect of placing my said collection under any other care or ordering than is herein prescribed, or would otherwise alter or interfere with the disposition thereof hereby made. And in case of such interference on the part of the Legislature, or if the terms and conditions as herein expressed be not strictly adhered to (subject as after mentioned), or in case the said bequest should not be accepted as aforesaid, then and in either of such cases the gift thereof hereby made shall wholly cease, and my said executors or the ex-officio trustee for the time being, as the case may be, shall thereupon hold my said collection in trust for the University of Cambridge, to be added to, and for ever thereafter form part of, the Fitzwilliam Collection of the said University.

6. The ex-officio trustee (or University aforesaid as the case may require) shall provide for the payment (by Government or out of any funds available or to become available for the purpose) of the Government Legacy Duty, which may become payable on the said collection, and also for so much and such part of the duty on the probate of this my will as shall be payable in respect of the estimated value of my said collection so hereby given for the purposes aforesaid, this provision being necessary as my general estate is otherwise of small comparative amount or value.

In testimony whereof I have to this my will, written on six sheets of paper, set my hand this ninth day of March in the year of our Lord one thousand eight hundred and sixty-nine.

(Signed) ALEXANDER DYCE.

(Witnesses) G. F. HUDSON, Solicitor,
23, Bucklersbury, London.

MARY ANN GOULD,
Servant to Mr. Dyce.

Will proved by both executors in Her Majesty's Court of Probate on the 10th of June 1869.

(2.) MEMORANDUM OF ACCEPTANCE of the OBJECTS comprising the DYCE COLLECTION.

Memorandum of Lord President's acceptance of the Bequest.

Memorandum.—That I, the undersigned The Right Honourable George Frederick Samuel Earl de Grey and Ripon, Lord President of

Appendix A. MINUTES AND CORRESPONDENCE.

the Council, being the member of Her Majesty's Government for the time being, charged with the promotion of Art education now undertaken by the Department of Science and Art, do hereby certify my acceptance of the ex-officio trusteeship of the bequest contained in the will of the late Reverend Alexander Dyce, and therein described or referred to as "The Dyce Collection," and on the terms and conditions in the said will contained. As witness my hand this twenty-fourth day of November one thousand eight hundred and sixty-nine.

(Signed) DE GREY AND RIPON.

Witness,
G. F. Hudson, Solicitor,
23, Bucklersbury, London.

To all to whom these presents shall come, I, The Right Honourable George Frederick Samuel Earl de Grey and Ripon, Lord President of the Council, the member of Her Majesty's Government, for the time being, charged with the promotion of Art education, now undertaken by the Department of Science and Art, send greeting.

Whereas the Reverend Alexander Dyce duly made and executed his last will and testament, bearing date the ninth day of March one thousand eight hundred and sixty-nine, and which, as far as the same relates to the property and effects therein described or referred to as "The Dyce Collection," was and is in the words following, that is to say, 'This is the last will of me the Reverend Alexander Dyce, of Oxford Terrace, Paddington, Middlesex, as to all my books, works of art, and other such effects; I dispose of them as herein-after specially mentioned, and I appoint my friends John Forster, of Palace Gate House, Kensington, Esquire, and William Macpherson, of Lancaster Gate, Esquire, executors of this my will." "And as to my collection of books and works of art, consisting of the whole of my rare and valuable and other books, and of my pictures, paintings, drawings, miniatures, antique rings, and curiosities, and all my printed books and manuscripts, and any other effects which may in the opinion of my executors come under the description of works of art or articles of virtù (the same being herein-after described as 'my said collection') I give the same in manner following, in which I have had regard to the gift of the Sheepshanks' Collection of pictures and works of art, which I desire generally to follow, that is to say, I give and bequeath my said collection unto the member of Her Majesty's Government for the time being charged with the promotion of Art education, now undertaken by the Department of Science and Art, as the ex-officio trustee thereof upon the following terms and conditions, viz.:—1. That such ex-officio trustee do within six months from the probate of my will sign a memorandum of the acceptance of the trusteeship, and deliver the same to my executors, and to be by them copied on the probate of my said will, with a memorandum to be signed by them of such acceptance. 2. That a proper and sufficient separate room or gallery, in or near to the public buildings built, or to be built, for the Department of Science and Art, now called the South Kensington Museum, or elsewhere, be set apart or provided for the purpose of holding my said collection (to be called 'The Dyce Collection'), and that my said collection be deposited and kept in such room or gallery. 3. The right of property in and possession of my said collection shall be solely in the ex-officio trustee for the time being, but subject to the conditions herein-after expressed, and to be and remain always under his control, and he shall be the sole arbiter of any question that may arise touching the management or disposition thereof under this my will. 4. My said collection shall be used for reference and instruction, and shall be exhibited to the public at such times and under such regulations as the ex-officio trustee shall prescribe, and so soon as arrangements can be

properly made by him for that purpose; but no part of my said collection shall ever be sold, or exchanged, or be dealt with contrary to the true spirit and meaning of the use, disposition, and control thereof herein prescribed; the books to be the subject of special care and preservation, and never to be lent or removed from the collection. 5. My said collection, or the conditional bequest thereof hereby made, shall not be subject to the provisions of the Act of the 19th & 20th Victoria, cap. 29, intituled 'An Act to extend the powers of the trustees and 'directors of the National Gallery, and to authorize the sale of works 'of art belonging to the public,' or to any future enactment of the Legislature, which, but for this declaration to the contrary, shall or may have the effect of placing my said collection under any other care or ordering than is herein prescribed, or would otherwise alter or interfere with the disposition thereof hereby made, and in case of such interference on the part of the Legislature, or if the terms and conditions as herein expressed be not strictly adhered to (subject as after mentioned), or in case the said bequest shall not be accepted as aforesaid, then, and in either of such cases, the gift thereof hereby made shall wholly cease, and my said executors or the ex-officio trustee for the time being, as the case may be, shall thereupon hold my said collection in trust for the University of Cambridge, to be added to and for ever thereafter form part of the Fitzwilliam Collection of the said University. 6. The ex-officio trustee (or University aforesaid, as the case may require) shall provide for the payment by Government, or out of any funds available or to become available for the purpose of the Government, legacy duty which may become payable on the said collection, and also for so much and such part of the duty on the probate of this my will, as shall be payable in respect of the estimated value of my said collection so hereby given for the purposes aforesaid, this provision being necessary as my general estate is otherwise of small comparative amount or value."

And whereas the said Alexander Dyce departed this life on the fifteenth day of May one thousand eight hundred and sixty-nine, and his said will was duly proved in the principal Registry of Her Majesty's Court of Probate on the tenth day of June one thousand eight hundred and sixty-nine by both the said executors. And whereas an inventory hath been made of the several articles and things comprised in the said bequest, which hath been printed by Her Majesty's Printers, together with a copy of the said will, for the use of the Science and Art Department of the Committee of Council on Education, South Kensington Museum, a copy of which inventory hath been signed by me, and such copy hath been delivered to the said John Forster and William Macpherson as they do admit and acknowledge. And whereas the said Committee have duly authorized me to accept the said bequest on the conditions in the said will expressed. And whereas such acceptance has been duly notified to the said executors by a memorandum under my hand according to the said will, and the executors have made a memorandum of such acceptance on the probate of the said will, with a copy of the memorandum of my said acceptance of the same. And whereas the said John Forster and William Macpherson, as such executors as aforesaid, have duly assented to the said legacy or bequest, and have also delivered over the said articles and things, comprising the same and comprised in the said inventory, unto me as such ex-officio trustee thereof as aforesaid, as I do hereby admit and acknowledge, and the said collection is now deposited in the South Kensington Museum.

Now know ye, therefore, that I, the said Earl de Grey and Ripon, as such ex-officio trustee as aforesaid, do hereby acknowledge to have received of and from the said John Forster and William Macpher-

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son as such executors as aforesaid All and singular the several articles and things mentioned or described in the said inventory, and I do hereby, for myself and my successors in the said office of official trustee as aforesaid, declare that I and my said successors shall and will henceforth hold and possess the said collection and the several articles and things contained in the said inventory as ex-officio trustee or trustees upon the trusts and for the intents and purposes and subject to the conditions in and by the said will expressed and contained of and concerning the same. In witness whereof I, the said Earl de Grey and Ripon, have hereunto set my hand and seal this twenty-sixth day of November in the year of our Lord one thousand eight hundred and sixty-nine.

DE GREY AND RIPON.

JOHN FORSTER.
WILLIAM MACPHERSON.

Signed, sealed, and delivered by the above-named George Frederick Samuel, Earl de Grey and Ripon, in the presence of } G. F. Hudson, solicitor, 23, Bucklersbury, London.

GIBBS BEQUEST.

Gibbs Bequest.

Extract from the will of William Gibbs, of Faversham, in the county of Kent, gentleman, who died on the 28th of February 1870.

Dated 13th of May 1867.

I bequeath (*inter alia*) to the incorporated Science and Art Department of the Committee of Council on Education, South Kensington, my Collection of Roman and Saxon Relics, to be called "The Gibbs Collection."

At South Kensington, the 6th day of August 1869.

Approved by the Right Honourable the Lords of the Committee of Her Majesty's Most Honourable Privy Council on Education.

Mosaic copies of Raphael's Cartoons.

Copies of Raphael's Cartoons in English Mosaic.

Sir M. Digby Wyatt and others have recommended that Raphael's cartoons should be executed in mosaic, and, if done, they would form a suitable decoration of the Italian or North Court. They could be rendered in earthenware mosaic much better than in tapestry, and they would preserve copies for all time of these priceless works.

The mosaics could be executed in the presence of the cartoons by female students of the school.

The mosaics might be supplied by Messrs. Minton and Messrs. Maw upon the basis of their tenders.

The work would extend over several years, and might be executed according to the amount voted from year to year.

(Signed) HENRY COLE.

PRÉCIS of MINUTES and CORRESPONDENCE relative to the Representation of Indian Architecture at the SOUTH KENSINGTON MUSEUM, by means of Casts of Structures and Works of Art in India, and to the Preparation of such Casts for the Indian and other Governments (*continued from* 16th Report, page 27).

22nd February 1869.

Indian architecture.

Mr. MacLeod acknowledges the receipt of Mr. Herman Merivale's letter of the 19th February, relative to the probable cost of a cast of one of the gateways of the Sanchi Tope.

12th March 1869.

Dr. Forbes Watson recommends that moulds of Indian architecture be taken in duplicate, one to be kept for use in India, and the other to be sent to this country. Has given details of the process of taking moulds from which to cast, in a report to the India Office. Sees no difficulty in taking a mould of one of the large gateways of the Sanchi Tope. It will be necessary for the officer superintending the operations at Sanchi to return to England with the first copy of the work in order to direct its casting and setting up.

9th August 1869.

Minute by the Lords of the Committee of Council on Education.—Forward copies of illustrations of various styles of architecture to India Office for transmission to India. Inform Secretary of State that Department desires to have casts of the doorway of the Sumeree Temple at Ramnugger; of an archway of the interior of the Dewannee Khas in the Palace of Delhi (to show the patterns in colour); of specimens of the columns of the Kootub at Delhi, 11th century; and of a colonnade of the palace of the Sultana at Futtehpore Sikree, Agra.

10th August 1869.

Mr. Cole informs the Secretary of State for India that among the illustrations of Indian architecture the Department wishes to receive specimens of the Kootub Pillars near Delhi, and also the following specimens of Mahomedan architecture at Futtehpore Sikree,—examples of pillars in Pâunch Mehal, carved verandah in the Sultana's Palace, selections from the decorative carvings of the Beerbul Residence, and pillars of Selim Chistee's Tomb. Enquires probable cost of two casts of each of the above specimens.

24th August 1869.

Mr. Cole informs the Secretary of State for India that the Department desires to possess casts of the columns of Kootub, Delhi, 11th century, and of an archway of the Palace of the Sultana at Futtehpore Sikree. My Lords request that the casts may be taken, and they will authorize such reasonable charges as the Indian Government may find necessary.

16th September 1869.

Mr. Cole forwards to Secretary of State for India, for transmission to that country, six copies of a work containing illustrations of Indian architecture. This work has been produced for use in Schools of Art connected with Department.

17th September 1869.

Mr. Herman Merivale refers to Department's letter of 8th December 1868, requesting that moulds or a cast may be taken of portions of the Sanchi Tope. Encloses copy of Lieutenant H. H. Cole's estimate (53,899 Rs., or 5,390*l.*) for three casts of gateway of Sanchi Tope, &c., the last section of which letter affords approximately the means of ascertaining cost of casting Kootub Pillars and the specimens of Mahomedan architecture at Futtehpore Sikree, referred to in Department's letters of 10th and 24th August 1869, but Lieutenant Cole will receive instructions specially to examine these objects and to submit an estimate of the cost of casting them. The sum of 5,390*l.* includes 240*l.* estimated to be required for cost of materials for the three copies of cast which may be needed by the Indian Government. The sanction of Department is therefore requested to expenditure of 5,150*l.* The estimate now

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furnished will be a guide for supplying the Prussian Government with price of cast of gateway, concerning which that Government has addressed the India Office. Whether India will require specimens of such casts cannot yet be decided. It is intended by the Secretary of State to recommend the Indian Government to appoint Lieutenant Cole superintendent of all operations connected with taking the casts. He will also be requested to furnish an estimate of cost of taking a piece mould of the Hindoo gates of Somnauth, referred to in Department's letter of 28th May 1868.

23rd September 1869.

Mr. Cole acknowledges receipt of foregoing letter.

13th October 1869.

Minute.—Read Sir Bartle Frere's letter suggesting that an instalment of reproductions might be sent through Lieutenant Cole, with the view of explaining to the Governor General the proposed system of reproductions, and of ascertaining whether it would be applicable at Bhopal. My Lords sanctioned the sending of objects of a value not exceeding 30*l.*

16th October 1869.

Mr. M. E. Grant Duff conveys thanks of Duke of Argyll for copies of a work on various styles of Indian architecture, sent on 16th September. They will be forwarded to Governments of India, Madras, and Bombay.

3rd November 1869.

Minute.—Read letter from India Office of 17th September 1869, giving estimate of cost of three casts of Sanchi Tope (5,150*l.*). Comparing this estimate with that for casting the Porta della Gloria of Santiago, my Lords consider it moderate. If six repetitions be ordered the cost would be 900*l.* each copy, but there is reason to believe that *eight* will be required, five being for museums in Europe; in that case the cost would be 750*l.* each copy. If the Department bear the whole cost (say 4,689*l.*) of the parent cast, the copyright, so to speak, should remain with Department, with freedom to charge on each reproduction a reasonable proportion of price of parent cast. Estimate will be submitted to Treasury providing for whole cost if Indian Government will agree to pay 750*l.* for each copy they may require. The cost of preliminary arrangement should be divided over at least *four* copies, as there is reason to believe that before the Department applied for a cast the Government of India had formed the intention of making one for France. India Office to be asked if more than four copies are likely to be required.

4th November 1869.

Mr. MacLeod states that the Lords of the Committee of Council on Education consider the charge of 5,150*l.* to be reasonable, if only three copies were required, but as it is understood that the Indian Government had, previous to my Lords' application, determined to make one copy for France, it appears reasonable that the preliminary expenses should be divided over four copies at least; the cost would then be for four copies 1,325*l.* each, for five copies 1,100*l.* each, and for six copies about 900*l.* each, or even less. If Indian Government state the total number of copies required my Lords will specify the amount they will sanction for the three copies required for the United Kingdom.

SUMMARY of the LAW relating (I.) to the ESTABLISHMENT and MAINTENANCE of PUBLIC LIBRARIES, MUSEUMS, and SCHOOLS of SCIENCE and ART, and (II.) to the ACQUISITION of SITES for such INSTITUTIONS.

N.B.—This Summary has been prepared in the Science and Art Department for the general information only *of persons desiring to establish Museums and Science and Art Schools, but it must be clearly understood that the Department does not hold itself responsible for its legal accuracy, and the promoters of such institutions are recommended not to take any definite proceedings under the Acts without availing themselves of professional advice.*

I.

I. Any town, parish, district, or union of parishes, is empowered by Act of Parliament (the Act for England is the 18 & 19 Vict. c. 70, Public Libraries Act, 1855; amended by the 29 & 30 Vict. c. 114. *As regards Scotland and Ireland* (*see* §§ X. and XI. *below*), to levy a rate not exceeding one penny in the pound for the establishment and maintenance of buildings with the requisite appliances suitable for Public Libraries and Museums, or for Schools of Science or Art, or for any or all of these purposes, provided that a majority of more than one-half of the ratepayers present at a public meeting, duly convened, vote in favour of adopting the provisions of the Act.

II. The preliminary steps to be taken with a view to the adoption of the Act are these:—

(1.) In *Municipal Boroughs* the Act requires that the Mayor shall convene a public meeting on the request of the Town Council, or on the request in writing of any ten resident ratepayers;

(2.) In *Districts* within the limits of any Improvement Act, the District Board is to convene a meeting upon the requisition in writing of at least ten resident ratepayers; and

(3.) In *Parishes*, the overseers of the poor, on the written requisition of ten resident ratepayers, are to convene a meeting to determine whether the Act shall be adopted.

III. In each case it is necessary that ten clear days' notice of the time, place, and object of the meeting be given by affixing the same on or near the door of every church and chapel, and at least seven days' notice by advertisement in a newspaper published or circulating in the borough, district, or parish, as the case may be.

IV. Any expenses incurred in connexion with the meeting, whether the Act be adopted or not, are chargeable upon the borough fund or rates, and may be defrayed, if necessary, by a separate rate specially levied for the purpose, such rate not to exceed one penny in the pound.

V. If any meeting duly convened to determine as to the adoption of the Act decides against it, no meeting for a similar purpose can be held until the expiration of at least a year from the time of holding the previous meeting.

VI. If the Act be adopted the organization for carrying its provisions into operation is as follows:—

(1.) In *Boroughs*. "The management, regulation, and control of "Libraries and Museums, Schools for Science and Art, shall "be vested in and exercised by the council," or by such committee as the council may appoint, and the members of the committee are not required to be members of the council.

(2.) In *Districts*. The Board or trustees acting in the execution of the Improvement Act, or a committee appointed by them.

(3.) In *Parishes*. Not less than three nor more than nine commis-

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sioners, to be appointed by the vestry, are constituted a body corporate for the purposes of the Act, under the name of "The "Commissioners for Public Libraries and Museums for the "Parish of ——— in the County of ———."

VII. The council, board, or commissioners are empowered to borrow money at interest, on the security of a mortgage or bond of the borough funds, or of the rate levied under the Act; and the provisions of the Companies Clauses, and Lands Clauses Consolidation Acts, 1845, are incorporated with the Public Libraries Act.

VIII. Where two or more neighbouring parishes combine for the purposes of the Act, each parish is to appoint not more than three commissioners, and the commissioners for the several parishes are to form one body corporate, and to act together in the execution of the Act. The expenses of carrying the Act into operation are to be borne by the parishes in such proportions as they may mutually approve.

IX. It is important to observe that where a public museum or library has been already established under any Act relating to public libraries or museums, a similar institution, such as a School of Science or Art, may be established in connexion therewith without any further proceedings being taken under the Act.

X. The following are the general Acts of Parliament relating to the establishment and maintenance of Public Libraries, Museums, and Schools of Science or Art. Those printed in italics have been superseded by the others:—

Stats. 8 & 9 *Vict. c.* 43; 13 & 14 *Vict. c.* 65; 16 & 17 *Vict. c.* 101; 17 & 18 *Vict. c.* 64; 17 & 18 *Vict. c.* 103; 18 & 19 Vict. c. 40 (Public Libraries Act, Ireland, 1855); 18 & 19 Vict. c. 70 (Public Libraries Act, 1855); 29 & 30 Vict. c. 114 (Public Libraries Amendment Act, England and Scotland, 1865), repealed so far as it relates to Scotland by the 30 & 31 Vict. c. 37 (Public Libraries Act, Scotland, 1867).

XI. The provisions relating to the establishment and maintenance of libraries and museums, &c., in Scotland and Ireland are substantially the same as the provisions of the Act for England, but there are some differences in matters of detail, for which it will be advisable to refer to the Acts themselves, namely, for Scotland, Stat. 30 & 31 Vict. c. 37, and for Ireland, Stat. 18 & 19 Vict. c. 40.

II.

Literary and Scientific Institutions Act.

XII. By 17 & 18 Vict. c. 112 (intituled "The Literary and Scientific Institutions Act"), after reciting the expediency of affording greater facilities for obtaining and settling sites and buildings in trust for institutions established for the promotion of literature, science or art, or for the diffusion of useful knowledge, it is provided that such persons and corporations as are described in the 4 & 5 Vict. c. 38,* may grant, convey, or enfranchise, either by gift, sale, or exchange, in fee simple, or for a term of years, any quantity, not exceeding one acre of their land, for each separate institution, as a site for such institution.

XIII. These powers are subject to provisos that they shall not be exercised by tenants for life unless the person or persons next in remainder join in the grant; that in case of gratuitous conveyance of

* These are, (1) any person being seised legally or equitably in fee simple, fee tail, or for life, in any manors or lands of freehold, copyhold, or customary tenure, and having the beneficial interest therein, in possession for the time being; and (2) any corporation, ecclesiastical or lay, sole or aggregate, in whom land may be, in any manner, vested,—subject to the proviso that no ecclesiastical corporation sole below the dignity of a Bishop may make such grant without the consent in writing of the Bishop of the Diocese.

waste or commonable land by any lord of a manor, the rights of all commoners and others having interest shall be barred; and that upon any land so granted by way of gift ceasing to be used for the purposes of the institution it shall revert to the estate out of which it was granted, except only that when the institution is removed to another site, the land may be exchanged or sold for the benefit of the institution. The same Act of 17 & 18 Vict. c. 112 contains numerous provisions relating to the persons by and to whom, and the manner in which, conveyances may be made; the form of such conveyances; the subsequent sale or exchange of the land; the liability of trustees to whom land is conveyed in trust; the ownership of any personal property belonging to the institution; the power to make byelaws; and the manner in which the institution may afterwards extend or abridge the purposes for which it was established, or may effect its own dissolution or the adjustment of its affairs.

XIV. The Act applies to every institution for the time being established for the promotion of science, literature, the fine arts, for adult instruction, and for the diffusion of useful knowledge. It also applies to the foundation and maintenance of libraries or reading rooms for general use among the members or open to the public, of public museums and galleries of paintings and other works of art, collections of natural history, mechanical and philosophical inventions, instruments, or designs.

XV. The conveyance of sites to trustees, or others associated together for educational purposes, has been still further facilitated by recent legislation. It is no longer necessary to acknowledge any deed in order that it may be enrolled in the Court of Chancery (Act 31 & 32 Vict. c. 44. s. 3). If the grantor be a corporation, or if the conveyance be really and *bonâ fide* made for a full and valuable consideration, enrolment is no longer *compulsory*, although it is still permitted; but in all cases of voluntary grants by individuals the deed must still, in conformity with the Mortmain Acts (9 Geo. 2. c. 36; 9 Geo. 4. c. 85), be enrolled within six calendar months from the date of its execution (31 & 32 Vict. c. 44. s. 2).

REPORT of the COMMISSION on the HEATING, LIGHTING, and VENTILATION of the SOUTH KENSINGTON MUSEUM.*

Instructions to report.

I. THE instructions given to us by the Lords of the Committee of Council on Education were, "to report upon the system adopted "for heating and ventilating the South Kensington Museum, and "especially to consider whether any injurious effects have arisen to any "of the works of art contained in the Museum from the plan of heating by means of hot-water pipes. Also to consider the report made "on the 20th of July 1859, by Professors Faraday, Hofmann, and Tyndall, Mr. Redgrave, R.A., and Captain Fowke, R.E., and report what "further precautions, if any, it is necessary to adopt."

II. Their Lordships were also further pleased to confer upon us the power to call for any reports relating to the subject under consideration, which had been registered in the Science and Art Department, and to examine any of the Department's officers.

Proceedings of Commission.

III. In accordance with these instructions we have taken the evidence *viva voce* of various witnesses to the number of seven, and have had before us various statistics and documentary evidence, all of which are given in the appendix to this Report. We have also carefully examined

* This Report, together with Minutes of Evidence and Appendices, has been published for presentation to Parliament and laid on the table of both Houses.

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the South Kensington Museum, and the methods of heating, lighting, and ventilating it, and we have visited the National Gallery and the British Museum with a view of seeing the arrangements there made for similar purposes.

We have now to report as follows:—

Lighting.

IV. LIGHTING.—As respects lighting, the Commission of 1859, composed of the members whose names are given above, reported that—

Report of previous Commission of 1859.

"There is nothing innate in coal gas which renders its application to the illumination of picture galleries objectionable. Its light, though not so white as that of the sun, is equally harmless; its radiant heat may be rendered innocuous by placing a sufficient distance between the gas jets and the pictures, while the heat of combustion may be rendered eminently serviceable in promoting ventilation.

"Coal gas may be free from sulphuretted hydrogen compounds, and in London is so at the present time; it then has little or no direct action on pictures. But it has not as yet been cleansed from sulphide of carbon, which, on combustion, yields sulphurous acid gas capable of producing 22½ grains of sulphuric acid per 100 cubic feet of present London coal gas.* It is not safe to permit this product of the combustion to come in contact with pictures, painted either in oil or water colours; and the Commission are emphatically of opinion that in every system of permanent gas lighting for picture or sculpture galleries, provision should be made for the effectual exclusion or withdrawal of the products of combustion from the chambers containing the works of art.

"The Commission have examined the Sheepshanks Gallery as an experimental attempt to light pictures with gas, and are of opinion that the process there carried out fulfils the condition of effectually illuminating the pictures and at the same time removing the products of combustion. According to the indications of the thermometer required and obtained, it does this in harmony with, and in aid of, the ventilation, and does not make a difference of more than one degree Fahrenheit at the parts where the pictures are placed between the temperatures before and after the gas is lighted."

Correspondence confirmatory of Report.

V. This report was further confirmed by letters written by Professors Faraday, Tyndall and Hofmann in 1861, and by Dr. Frankland and Professor Hofmann in 1865. In February 1868 Dr. Frankland analyzed the gas supplied to the South Kensington Museum. From his analysis it appears that the South Kensington Museum is situated in the district which is supplied by the only company whose gas, at the time of his report, did not contain an excessive amount of sulphur.

VI. We see no reason to differ from the conclusions arrived at in these reports, and we are of opinion that in the picture galleries the pictures are not exposed to the products of combustion, and cannot suffer any appreciable injury from the effects of the lighting of these rooms. In the courts and in the galleries generally the gas is so placed, whether close below louvres in the roof, or in sun-burners, or outside the windows, as, we believe, effectually to remove the products of combustion.

VII. There, are, however, some places in the corridors and side galleries and cloisters where naked gas lights are employed without immediate and separate communication with the exterior; the products of their combustion have consequently to be carried off by the general ventilation of the museum, and may to some slight extent find their way into the picture galleries. For these lights we think it would be advisable to substitute, as soon as possible others, such as sun burners, with

* Hofmann.

special means for removing the products of combustion before they can become mixed with the general atmosphere of the museum.

Ventilation.

VIII. VENTILATION.—As respects the ventilation of the museum and galleries, while we should hesitate to say that the present system is incapable of improvement, we believe it to be on the whole highly satisfactory and efficient.

Heating.

IX. HEATING.—As respects the system of warming with hot-water pipes, we are of opinion that under the circumstances, and for the purposes of museums and picture galleries, it is the best that has been devised up to the present time. It is good as respects the ventilation, it is thoroughly under control, and, as will be seen on reference to the appendices, by its means an equable temperature is maintained in winter by day and night.

Objections of witnesses to present method of lighting and heating.

X. Various objections to the lighting and heating of the museum have been taken by several witnesses, to whose opinion on art matters we would wish to give all due weight. We think, however, that an examination of their evidence on the more purely physical points of the subject will show that their opinions on this question of warming and ventilation are based, rather on personal sensations of heat and dryness, than on accurate instrumental observation. Such for instance are the opinions that open fireplaces in a gallery give a more equable temperature than hot-water pipes, and that the latter cause no motion in the air. Currents of air which cause a sensation of coldness to the human body are assumed to have the same effect on pictures and to "chill" *them*, though these currents do not affect the thermometers in the room. It has also been stated that 60° Fahrenheit is too high a temperature for pictures; that certain galleries are maintained, without artificial means of cooling, at a temperature 20° less than the external air, while that air is freely admitted, and that the temperature of these galleries in summer never rises above 67° or 68°.

Dryness of atmosphere.

XI. Exception has been taken to the system of heating the galleries on the ground of the extreme dryness of the atmosphere thereby engendered. In the absence of direct evidence from experiment to the contrary, we should be inclined to think that a dry atmosphere was the most conducive to the preservation of pictures, whether in oil, tempera, or water colours, and of works of art in general. But we do not find from the indications of the hygrometer that the air in the museum is rendered excessively dry by the method of heating. Details on these points are given in the tables, and in Capt. Festing's memorandum in the Appendix. It may be stated generally that the greatest artificial dryness produced, when the galleries are warmed in winter, is not greater than the natural dryness that often obtains in summer. The greatest artificial dryness noted was about ·45 of saturation.

Position of hot-water pipes.

XII. The position of the hot-water pipes is a doubtful question. In the Raphael cartoon gallery and in the new picture galleries the hot-water pipes are near the centre of the room. In the galleries first erected on the west side of the courts, some of which are temporary, the pipes are close to the walls and under the pictures. A shelf intervenes in most of the rooms between the pipes and the pictures, and shields them from the direct radiation of heat. It appears, moreover, from the indications of thermometers hung in succession a foot apart above the pipes, that the heat at the level of the bottom of the pictures is not more than one or two degrees above the general temperature of the room. Still, we are willing to defer to the opinion expressed by some of the witnesses that it is advisable to have the pipes in the middle of the galleries.

Deterioration of pictures by cracking, &c.

XIII. Some of the pictures at South Kensington are very much cracked, others slightly so, while many are perfectly sound; but there is nothing to show that they are in a worse state than they would have

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been if hung anywhere else. An examination of the photographs of several pictures, and of the cartoons, taken when they were first brought to South Kensington, does not show that they are in any worse condition than when they came. It is a matter of common observation, that certain pictures, depending apparently on the pigments, or vehicles, or varnish used, or on the method of painting, deteriorate rapidly, whether they are placed in public or private galleries, however much care may be bestowed on them. As far as we are enabled to judge from the evidence, it is such pictures that are found to be cracked in the galleries at South Kensington, and which came there more or less in that state. For the reason why certain pictures crack and others do not, we would refer to the evidence of Dr. David Price, and of Mr. Boxall, R.A., Director of the National Gallery, and to a memorandum by him and Mr. Redgrave, R.A.

Desirability of further investigation.

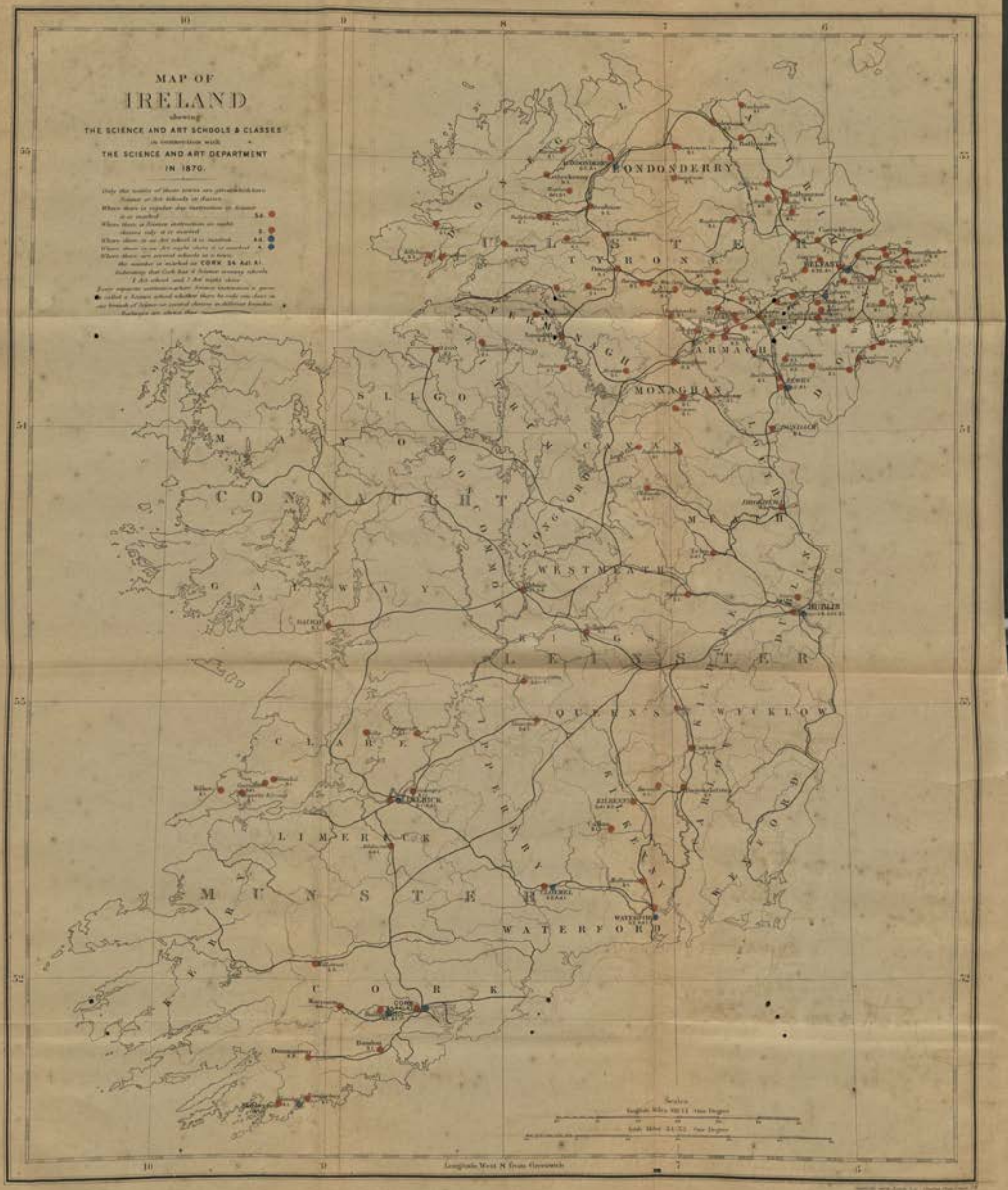
XIV. We are unwilling to quit this portion of the subject without pointing out how little is apparently known, with any degree of certainty, of the effects of light, air, and temperature on the various pigments, vehicles, and varnishes used by painters, and of the effect of these substances on one another. More accurate knowledge on these subjects is of the very first importance. We would, therefore, strongly recommend, as indeed was done by Mr. Faraday and the other Commissioners in 1859, that a careful series of experiments should be undertaken with reference to these points.

Inevitable wear and tear of pictures in public galleries.

XV. Pictures and works of art in a public museum have the great advantage of constant care and attention, but a certain amount of wear and tear is inseparable from their exhibition to millions of people. It is a question how far works of art are to be open to public view. But assuming that they ought to be exhibited to the fullest extent, all that can be reasonably demanded is, that that wear and tear shall be reduced to a minimum. We believe, as stated by Mr. Boxall, that every reasonable precaution is taken for the preservation of the pictures.

XVI. We think it right to state that we are unanimous on all the points on which we have been called upon to report, and though the Commission has since the commencement of the inquiry lost the services of that eminent chemist, Mr. Graham, the late Master of the Mint, we believe we are justified in saying that had he lived he would have concurred in our conclusions.

(Signed) JOHN TYNDALL.
JOHN PERCY.
E. FRANKLAND.
HENRY Y. D. SCOTT, Lieut.-Col., R.E.
J. F. D. DONNELLY, Capt., R.E., and Secretary.


MAP OF
IRELAND
shewing
THE SCIENCE AND ART SCHOOLS & CLASSES
in connection with
THE SCIENCE AND ART DEPARTMENT
IN 1870.
LONDONDERRY
TYRONE
ARMAGH
MONAGHAN
SLIGO
CONNAUGHT
GALWAY
WESTMEATH
LEINSTER
QUEENS
WICKLOW
CLARE
LIMERICK
MUNSTER
WATERFORD
CORK
Scales
Longitude West of Greenwich

MAP OF
SCOTLAND
showing
THE SCIENCE AND ART SCHOOLS & CLASSES
in connection with
THE SCIENCE AND ART DEPARTMENT
IN 1870.
CAITHNESS
SUTHERLAND
PART OF ROSS
ROSS AND CROMARTY
ELGIN
NAIRN
ABERDEEN
INVERNESS
KINCARDINE
FORFAR
PERTH
STIRLING
DUMBARTON
RENFREW
EDINBURGH
HADDINGTON
BERWICK
LANARK
PEEBLES
SELKIRK
ROXBURGH
AYR
DUMFRIES
KIRKCUDBRIGHT
WIGTOWN
ORKNEY ISLANDS
Scale
English Miles 60 1 One Degree

MAP OF
ENGLAND & WALES
shewing
THE SCIENCE AND ART SCHOOLS & CLASSES
in connection with
THE SCIENCE AND ART DEPARTMENT
IN 1870.
SOUTH LANCASHIRE & WEST YORKSHIRE
LANCASHIRE
NORTHUMBERLAND
CUMBERLAND
DURHAM
WESTMORLAND
ISLE OF MAN
YORK
LINCOLN
CHESTER
DERBY
NOTTINGHAM
STAFFORD
LEICESTER
NORFOLK
SUFFOLK
ESSEX
MONTGOMERY
SHROPSHIRE
RADNOR
HEREFORD
WARWICK
HUNTINGDON
CAMBRIDGE
CARMARTHEN
BRECKNOCK
GLOUCESTER
MONMOUTH
OXFORD
BERKS
WILTS
HAMPSHIRE
SURREY
KENT
SUSSEX
SOMERSET
DEVON
DORSET
CORNWALL
LONDON and its SUBURBS
MIDDLESEX
SURREY

APPENDIX B.

Appendix B.

CAPTAIN DONNELLY'S REPORT.

1. REPORT on SCIENCE SCHOOLS and CLASSES by CAPT. DONNELLY, R.E., for the year 1869.

MY present report on the Science schools of the Department covers the year from March 1869 to March 1870, and it is most satisfactory to see that the steady increase in the number of schools and pupils which has been going on for some years is still maintained.

The number of schools* which at the time of the May examinations in 1868 was 300, with 856 classes, had increased to 523 with 1,489 classes in May 1869. In May 1868 there were 328 teachers giving instruction in connexion with the Department, the number of pupils being 15,010. In 1869 there were 580 teachers and 24,865 pupils. Of this number 12,988 came up to the examination, besides 246 pupils from other schools not receiving aid from the Science and Art Department. Number of schools.

The general statistics of the two examinations is given in the next table.

2. RESULTS of the SCIENCE SCHOOL EXAMINATIONS, MAY 1868 and 1869. Results of examinations.

	1868.	1869.
Number of Schools under Teachers examined	300	523
Number of Classes in the same	856	1,489
Number of individuals under instruction in Classes under Certificated Teachers	15,010	24,865
Number of the above who came up for examination	6,875	12,988
Number examined in addition to the above who were not in Schools under Certificated Teachers	217	246
Number of Papers worked in :—		
Subject		
I. Practical, Plane, and Solid Geometry	1,337	2,638
II. Machine Construction and Drawing	1,671	2,987
III. Building Construction	1,185	1,998
III. (alternative). Naval Architecture	21	12
IV. Elementary Mathematics	1,390	2,329
V. Higher Mathematics	30	84
VI. Theoretical Mechanics	353	629
VII. Applied Mechanics	167	294
VIII. Acoustics, Light and Heat	769	1,352
IX. Magnetism and Electricity	1,038	2,509
X. Inorganic Chemistry	964	2,173
XI. Organic Chemistry	123	210
XII. Geology	309	619
XIII. Mineralogy	38	67
XIV. Animal Physiology	1,182	2,227
XV. Zoology	298	803
XVI. Vegetable Anatomy and Physiology	112	144
XVII. Systematic and Economic Botany	73	90
XVIII. Principles of Mining	41	48
XIX. Metallurgy	81	126
XX. Navigation	219	303
XXI. Nautical Astronomy	86	107
XXII. Steam	106	149
XXIII. Physical Geography	1,516	2,687
Total number of Papers worked	13,112	24,085

* Under the term school is included each separate institution in which Science instruction is being given. In some cases a school has only one class in one subject of Science, whilst in others there is a more or less complete course of study.

Appendix B.

CAPTAIN DONNELLY'S REPORT.

RESULTS of the SCIENCE SCHOOL EXAMINATIONS—*cont.*

——	1868.	1869.
Number of Provincial Centres where Examinations were held - - - - - - - -	238	389
Number of Metropolitan Centres where Examinations were held (including South Kensington Museum) -	23	48
Number of 5th Class - - - - -	2,365	—
„ 4th „ - - - - -	1,044	—
„ 3rd „ Queen's Prizes - - -	2,474	—
„ 2nd „ Queen's Prizes - - -	1,692	—
„ 1st „ Queen's Prizes - - -	1,079	—
Total number of Successes - - -	8,654	
Failures in 1st Paper - - - -	2,981	7,567
„ in 2nd „ - - - -	1,477	1,694
Total Failures - - - - -	4,458	
Number who came up in the Elementary Stage - -	—	19,214
Number of 3rd Class - - - - -	—	6,211
„ 2nd „ - - - - -	—	3,775
„ 1st „ - - - - -	—	1,661
Failures - - - - - -	—	7,567
Number who came up in the Advanced Stage - -	—	4,405
Number of 2nd Class - - - - -	—	2,026
„ 1st „ - - - - -	—	685
Failures - - - - - -	—	1,694
Number who came up in Honours - - -	—	466
Number of 2nd Class - - - - -	—	130
„ 1st „ - - - - -	—	62
Total number of Papers worked - - -	—	24,085
Total number of Successes - - -	—	14,550
Total number of Failures - - -	—	9,535

This table shows that there was an increase in every subject except Naval Architecture.

Changes in system of examination.

It will also be seen that the examination was on a different system to that in 1868. The reasons for the change were stated in my report of last year, see 16th Report of the Science and Art Department, p. 66. In 1868 the successful candidates were divided into five classes. At the examination two papers, or sets of questions, were given to the candidate, one easy and the other more difficult, from which he made a selection. By taking the easy paper he might obtain a 5th, 4th, or 3rd class; by taking the difficult a 3rd, 2nd, or 1st class.

By the new plan this *overlapping* of the classes was done away with. Each subject was broken up into two separate and distinct stages or courses in which the students were to be instructed in successive years, and rules were made for preventing the teacher receiving payments on account of a student who had not passed in the elementary stage of a subject before he was carried on into the advanced stage. A new examination, that for honours, was also created for very advanced students and teachers. This change worked well, and will, I have no doubt, tend greatly to systematise and improve the instruction in the classes.

The modification made during the autumn of 1869 by which the third class in the elementary stage is done away with, will, by leaving

two classes only in each stage, simplify the examinations and give a more satisfactory classification of the results.

It was found very difficult to enforce the rule which debarred the teacher from *all* payment if his pupil came up in the advanced stage without having previously passed in the elementary, especially after the exceptions that were made in the case of pupils passing as teachers. In fact, the rule was so stringent that there were some cases of hardship to teachers who were cut out of all payment through a fault, not of their own, but of their pupils. In future the pupil will lose all chance of a prize by not coming up first in the elementary stage, and the teacher though not debarred from all, can expect but diminished payments. Both interests being enlisted the desired result will, I believe, be secured without any cases of hardship.

The details as to the numbers successful in each stage in each subject, the classes obtained, and the failures, are given in the table at p. 50. The next table gives these same results in the form of per-centages.

The next table on p. 51 gives the number of students under instruction, and the amount paid on the results of instruction in each subject, with the average payment per pupil under instruction, and per paper, worked at the examination. Following this table is one showing the same results in the ordinary science classes, omitting, that is, the training colleges, which, from their peculiar nature, render the average in those subjects in which they send up pupils somewhat abnormal and not properly comparable with the others.

The names of the medallists are given at page 52, and of the successful competitors for Royal Exhibitions to the Royal School of Mines, and to the Royal College of Science in Dublin. Then at p. 74 come the lists of Science schools in existence on 1 March 1870, with the numbers under instruction, and the prizes and medals taken in each school in May 1868 and May 1869. After this list is given at p. 114 a list of the Science schools, according to the latest returns, those in March 1870, with the number of pupils at that time in each school, and each class in the school.

Increase in numbers.

It will be seen from these returns that there has been a very large increase in the number both of schools and pupils under instruction since last year.

There were in May 1869, 523 schools and 24,865 pupils. There are now, March 1870, 810 schools with 29,956 pupils. The number of teachers at present giving instruction in connexion with this Department is 957.

Necessity for simplification of system.

This great and rapid increase renders the utmost possible simplification of the system imperative. A reduction of the payments to the lowest point compatible with an efficient and wholesome stimulus is no less essential. I believe the common sense of the bulk of the teachers taught them that they must expect some reduction in the scale of payments. Consequently when the Minute of the 30th November 1869 (see page 1) came out, late though it was, there was not much exception taken to it, except in one or two special districts. Whatever shred of grievance the teachers had, was done away with by the Minute of 16th February 1870 (see p. 5). But the advantages of the Minute of the 30th November have not been lost.

Special local secretaries.

The appointment of "special local secretaries" for large towns who are made responsible for the whole examination business of a district, and are the only channel of communication on these questions with the Department, is likely to work well, and has already greatly reduced correspondence, and made it easier to cope with the examination business which has become so large as to be a considerable strain on the central administration.

Distribution of schools.

The distribution of the schools is well shown by the maps which will be found at p. 45. The Science schools have extended most rapidly

Appendix B. CAPTAIN DONNELLY'S REPORT.

latterly in Scotland and Yorkshire, where, till within the last year or two, there was a very great deficiency of them. The following table, with the subjects arranged in order according to the number of pupils and classes, may be interesting.

3. TABLE showing the NUMBER of CLASSES and of STUDENTS in each SUBJECT.

Subject.	No. of Classes.	No. of Students.
XXIII. Physical Geography	219	7,034
IV.–V. Pure Mathematics	227	5,156
I. Practical Plane and Solid Geometry	257	6,413
XIV. Animal Physiology	220	6,131
III. Building Construction and Naval Architecture.	226	5,423
II. Machine Construction and Drawing	247	6,338
X. Inorganic Chemistry	191	5,182
IX. Magnetism and Electricity	170	4,584
VIII. Acoustics, Light, and Heat	134	3,306
XII. Geology	64	1,643
VII. Applied Mechanics	47	1,345
VI. Theoretical Mechanics	57	1,064
XXII. Steam	25	900
XI. Organic Chemistry	22	873
XVI. Vegetable Anatomy and Physiology	27	717
XX. Navigation	22	536
XXI. Nautical Astronomy	8	349
XVII. Systematic and Economic Botany	14	310
XV. Zoology	8	151
XIII. Mineralogy	8	135
XIX. Metallurgy	7	74
XVIII. Mining	4	40

Lectures to science teachers,

In accordance with the terms of the Minute of 11th March 1869, which is given at p. 27, two courses of six lectures each to Science teachers were delivered; one of them, on Light, by Prof. Guthrie, was given at the Royal School of Mines, Jermyn Street, on the evenings of the week ending 3rd July; the other, on Animal Physiology, by Dr. Michael Foster, prefaced with an introduction by Prof. Huxley, in the Lecture Theatre of the South Kensington Museum, during the following week.

These lectures were specially meant to instruct teachers in the art of teaching, making their experiments, &c., and special pecuniary assistance was given to enable teachers generally to avail themselves of the opportunity, which 253 did. Of these 169 attended both courses, 35 that on Light only, and 49 that on Physiology only. The total numbers attending the two courses were therefore, Light, 204; Physiology, 218. Admission to the lectures was also given to various other persons connected with education, including several principals and tutors of training colleges, who made application for it.

and practical instruction in chemistry.

Simultaneously with the delivery of these lectures a short course of practical instruction in the Laboratory of the Royal College of Chemistry was given by Dr. Frankland and Mr. Valentin, permission to avail themselves of which was given to 153 teachers.

Whitworth scholarships.

Last May was the first competition for Whitworth scholarships, the examination for which is both in theory and practice. 106 candidates competed in the theoretical subjects; of these 52 qualified, by passing

in certain compulsory subjects, for admission
nation, and 46 competed at the practical exa
examination consisted of two parts—the deta
lations at p. 22. One part of the examinatio
the other in handicrafts. The examination
conducted partly in London—for which pu
and Co., the eminent builders, kindly placed
shops in Pimlico at the disposal of the D
Manchester, at Sir Joseph Whitworth's own v

The whole of the examination in handicr
Joseph's works.

Fourteen candidates competed in the use
use of tools, and also as handicraftsmen. As ha
in Pattern-making, 24 in Fitting, 16 in Turnin
At p. 55 I have given a list of the candidate
obtaining scholarships, and the next 10 who w
of 25*l.* each. The table also shows the
obtained.

The form in which the examination in prac
was found to be rather cumbersome and difficult to manage with many candidates. The new arrangement, as given at p. 24, will probably meet this difficulty.

It is very encouraging to see the number of Elementary school scholarships, Science and Art scholarships, and Local Exhibitions which are being established. For the Elementary school and the Science and Art scholarships, a local contribution of 5*l.* is required, which the Department supplements by, in the former case, 5*l.*, and the latter 10*l.*

Other scholarships and exhibitions.

At the May 1869 examination 29 Elementary school and 47 Science and Art scholarships were subscribed to and competed for. The Department payments will become due after this current examination. Up to the present time 65 of the former and 62 of the latter scholarships have been applied for, and the subscriptions obtained. These will now be competed for.

Of the Local Exhibitions, to which the locality and the State respectively contribute 25*l.*, 3 were competed for last May, and 10 have been applied for for competition this May. Lists of these are given at p. 57.

Zeal of local committees.

I cannot close my report without again calling attention to the extent to which the country is indebted to the exertions of gentlemen in all parts of the country in carrying out the examinations. The superintendence of the examinations is entrusted entirely to them. That it involves a great personal sacrifice of time and trouble will be at once seen when I state that, through their agency last May, upwards of 2,000 examinations were held. Each of these entailed, as a general rule, the presence of three members of the Committee for three hours at least, sometimes for four hours; and when the examination was held in more than one room, four members were required. This is undoubtedly a great tax, and the members of classes and the public generally are greatly indebted to the exertions which these gentlemen make on their behalf.

This year, notwithstanding the great increase in the number of classes, I trust the number of examinations will not exceed 2,500. An endeavour has been made to amalgamate the classes for examination as much as possible, and thus reduce not only the labour of the Committees, but also save expense and complication in the central administration.

Inspection.

The thorough inspection of the classes which, by means of officers of the Royal Engineers, stationed in different parts of the country, has been carried out this year, 724 out of the 810 schools have been inspected, has enabled the Department to determine not only where amalgama-

Appendix B. CAPTAIN DONNELLY'S REPORT.

tions are possible, but how they can best be carried out. This thorough inspection has also been of great service in watching the instruction, checking cramming, and bringing the Department into intimate relation with and knowledge of the classes.

J. F. D. DONNELLY,
Capt. R.E.

4. TABLE giving the DETAILS of SUCCESSES and FAILURES in each STAGE of each SUBJECT.

—	Advanced Stage.				Elementary Stage.				
	1st Class.	2nd Class.	Failures.	Total.	1st Class.	2nd Class.	3rd Class.	Failures.	Total.
I. Practical, Plane, and Solid Geometry.	192	86	112	390	416	302	295	1,190	2,203
II. Machine Construction and Drawing.	37	240	287	564	307	414	549	1,104	2,374
III. Building Construction	42	130	159	332	110	239	448	855	1,652
*III. Naval Architecture -	—	3	2	5	2	4	—	—	6
IV. Elementary Mathematics.	24	194	228	446	86	319	683	726	1,814
V. Higher Mathematics -	1	13	14	28	3	8	9	21	41
VI. Theoretical Mechanics	17	71	56	144	29	104	196	139	468
VII. Applied Mechanics -	25	34	5	64	28	102	75	8	213
VIII. Acoustics, Light and Heat.	66	123	47	236	98	265	409	311	1,083
IX. Magnetism and Electricity.	87	188	118	393	162	418	578	908	2,066
X. Inorganic Chemistry -	74	225	118	417	88	391	596	630	1,705
XI. Organic Chemistry -	9	19	14	42	4	23	78	56	161
XII. Geology - -	5	27	48	80	58	152	188	128	526
XIII. Mineralogy - -	—	5	8	13	—	4	23	26	53
XIV. Animal Physiology -	42	193	198	433	63	291	618	811	1,783
XV. Zoology - -	—	13	31	44	1	25	108	119	253
XVI. Vegetable Anatomy and Physiology.	3	12	15	30	4	13	42	46	105
XVII. Systematic and Economic Botany.	1	8	2	11	2	19	31	20	72
XVIII. Mining - - -	2	5	7	14	—	4	18	10	32
XIX. Metallurgy - -	4	19	11	34	20	33	31	3	87
XX. Navigation - -	20	66	28	114	6	29	81	65	181
XXI. Nautical Astronomy -	3	15	8	26	2	24	39	15	80
XXII. Steam - - -	2	19	13	34	4	39	39	25	107
XXIII. Physical Geography -	28	318	165	511	168	553	1,077	351	2,149
Total - -	685	2,026	1,694	4,405	1,661	3,775	6,211	7,567	19,214

5. TABLE showing the PERCENTAGES of SUCCESSES and FAILURES in each STAGE of each SUBJECT.

—	Advanced Stage.			Elementary Stage.			
	1st Cl.	2nd Cl.	Failures.	1st Cl.	2nd Cl.	3rd Cl.	Failures.
I. Practical, Plane, and Solid Geometry.	49·22	22·05	28·71	18·88	13·70	13·39	54·01
II. Machine Construction and Drawing.	6·56	42·55	50·88	12·93	17·43	23·12	46·50
III. Building Construction	12·95	39·15	47·89	6·65	14·46	27·11	51·75
*III. Naval Architecture -	—	60·00	40·00	33·33	66·66	—	—
IV. Elementary Mathematics.	5·38	43·49	51·12	4·73	17·58	37·65	40·02
V. Higher Mathematics -	3·57	46·42	50·00	7·31	19·51	21·95	51·23
VI. Theoretical Mechanics	11·80	49·30	38·88	6·19	22·22	41·88	29·70
VII. Applied Mechanics -	39·06	53·12	7·81	13·14	47·88	35·21	3·75
VIII. Acoustics, Light and Heat.	27·96	52·11	19·91	9·04	24·46	37·76	28·71

TABLE giving the PERCENTAGES of SUCCESSES and FAILURES—*cont.*

	Advanced Stage.			Elementary Stage.			
	1st Cl.	2nd Cl.	Failures.	1st Cl.	2nd Cl.	3rd Cl.	Failures.
IX. Magnetism and Electricity.	22·13	47·83	30·02	7·84	20·23	27·97	43·94
X. Inorganic Chemistry	17·74	53·95	28·29	5·16	22·93	34·95	36·95
XI. Organic Chemistry	21·42	45·23	33·33	2·48	14·28	48·44	34·74
XII. Geology	6·25	33·75	60·00	11·02	28·89	35·74	24·33
XIII. Mineralogy	—	38·46	61·53	—	7·54	43·30	49·05
XIV. Animal Physiology	9·09	44·57	45·72	3·53	16·32	34·66	45·48
XV. Zoology	—	29·54	70·45	·30	9·88	42·68	47·03
XVI. Vegetable Anatomy and Physiology.	10·00	40·00	50·00	3·80	12·38	40·00	43·80
XVII. Systematic and Economic Botany.	9·09	72·72	18·18	2·77	26·39	43·05	27·77
XVIII. Mining	14·28	35·71	50·00	—	12·50	56·25	31·25
XIX. Metallurgy	11·76	55·88	32·35	22·99	37·93	35·63	3·44
XX. Navigation	17·54	57·89	24·56	3·31	16·02	44·75	35·91
XXI. Nautical Astronomy	11·54	57·68	30·76	2·50	30·00	48·75	18·75
XXII. Steam	5·88	55·88	38·23	3·73	36·44	36·44	23·36
XXIII. Physical Geography	5·47	62·23	32·28	7·81	25·73	50·11	16·33
Total	15·55	45·99	38·45	8·64	19·64	32·32	39·38

6. NUMBER of STUDENTS under INSTRUCTION, NUMBER of PAPERS worked, and AMOUNT claimed in each SUBJECT on the EXAMINATIONS of May 1869.

	No. under Instruction.	Average per Person under Instruction.	No. of Papers.	Average for each Paper.	Amount paid.
		s. d.		*s. d.*	*£ s. d.*
I. Practical, Plane, and Solid Geometry.	4,455	9 10	2,638	16 7	2,195 10 0
II. Machine Construction and Drawing.	4,416	8 5	2,987	12 5	1,861 0 0
III. Building Construction	3,632	6 3	2,010	11 5	1,148 0 0
IV. Elementary Mathematics.	3,601	8 1	2,329	12 6	1,462 6 8
V. Higher Mathematics	33	10 3	84	4 0	17 0 0
VI. Theoretical Mechanics	1,124	6 1	629	10 11	343 6 8
VII. Applied Mechanics	338	7 3	294	8 4	123 0 0
VIII. Acoustics, Light and Heat.	2,305	10 10	1,352	18 5	1,250 0 0
IX. Magnetism and Electricity.	4,076	9 6	2,509	15 5	1,941 0 0
X. Inorganic Chemistry	4,384	6 0	2,173	13 7	1,482 0 0
XI. Organic Chemistry	981	1 11	210	9 0	95 0 0
XII. Geology	967	10 11	619	17 0	528 0 0
XIII. Mineralogy	159	3 7	67	8 7	29 0 0
XIV. Animal Physiology	3,569	8 7	2,227	13 9	1,539 0 0
XV. Zoology	452	6 0	303	9 0	137 0 0
XVI. Vegetable Physiology	283	5 5	144	10 8	77 0 0
XVII. Systematic Botany	226	3 5	90	9 9	44 0 0
XVIII. Mining	79	2 9	38	4 7	11 0 0
XIX. Metallurgy	243	4 7	126	8 10	56 0 0
XX. Navigation	465	6 4	303	9 10	149 0 0
XXI. Nautical Astronomy	251	6 6	107	15 3	82 0 0
XXII. Steam	128	12 7	149	11 0	81 0 0
XXIII. Physical Geography	3,548	14 8	2,087	19 5	2,010 0 0

Appendix B. CAPTAIN DONNELLY'S REPORT.

7. NUMBER of STUDENTS under INSTRUCTION, NUMBER of PAPERS worked, and AMOUNT claimed in each of the SUBJECTS named, at the EXAMINATIONS in May 1869, exclusive of the TRAINING COLLEGES.

	No. under Instruction.	Average per Person under Instruction.	No. of Papers.	Average per Paper.	Amount paid.
		s. d.		*s. d.*	*£ s. d.*
I. Practical, Plane, and Solid Geometry.	4,365	9 11	2,617	16 7	2,173 10 0
IV. Elementary Mathematics.	3,203	6 1	1,888	10 5	983 6 8
VI. Theoretical Mechanics -	1,058	4 9	573	8 9	251 6 8
VIII. Acoustics, Light and Heat.	2,300	10 8	1,348	18 3	1,232 0 0
IX. Magnetism and Electricity.	4,062	9 4	2,499	15 2	1,904 0 0
X. Inorganic Chemistry -	4,201	5 4	1,995	11 3	1,127 0 0
XIX. Animal Physiology -	3,435	7 4	2,039	12 4	1,262 0 0
XXIII. Physical Geography -	2,995	10 7	2,159	14 8	1,587 0 0

QUEEN'S MEDALLISTS.

8. LIST of QUEEN'S MEDALLISTS.—SCIENCE EXAMINATION, May 1869.

The Queen's medals, which are offered for competition throughout the United Kingdom at the general examination of Science Schools and Classes held each year in May, consist of one gold, one silver, and two bronze medals for each subject. Anybody may compete, but the medals cannot be taken by middle class students who are more than 17 years of age, nor by persons who are not students of Science Classes, nor by persons engaged in teaching (including students in training colleges and pupil-teachers over 17 years of age), nor by those who have taken the same medal previously. *The names of those who have taken an equal or a higher class Medal in the same subject previously appear in italics in the following list.*

SUBJECT I.—PRACTICAL, PLANE, AND DESCRIPTIVE GEOMETRY.

Name.	Age.	Occupation or (*f.*) Father's Occupation.	School.	Teacher.	Medal.
Bennion, John A. -	19	Engineer - -	Manchester	Reynolds, Prof.	Gold.
Davis, Joseph W. -	*16*	*Mechanic* - -	*Eastington*	*Wilcox, E.* -	*Silver.**
Williams, Robert -	30	Carpenter - -	Plumstead -	Shipman, C. -	Silver.
Thornton, Thomas -	*23*	*Joiner* - -	*Bury* - -	*Spriggs, C.* -	*Bronze.†*
Simpson, Frederick -	15	Civil Engineer -	Manchester M. I.	Mellor, J. - -	Bronze.
Sutcliffe, John - -	16	Weaver - -	Bacup -	Tomkins, E. -	Bronze.

SUBJECT II.—MACHINE CONSTRUCTION AND DRAWING.

Musgrave, John T. -	18	Draughtsman -	Patricroft -	Tomkins, E. -	Gold.
Armitage, John -	18	Pattern Maker -	Oldham Sci. and Art. Sch.	Phythian, J. P.	Silver.
Cook, Ernest H. -	14	(*f.*) Toll. Coll. -	Bristol Trade Sch.	Plant, E. C. -	Bronze.
Dack, Robert - -	*20*	*Draughtsman* -	*Patricroft* -	*Tomkins, E.* -	*Bronze.‡*
Coaker, William -	14	Gardener - (*f.*)	Bristol Trade Sch.	Plant, E. C. -	Bronze.

SUBJECT III.—BUILDING CONSTRUCTION.

Musgrave, John T. -	18	Draughtsman -	Patricroft -	Tomkins, E. -	Gold.
Grant, David - -	22	Architectural Student.	Preston -	Spriggs, C. -	Silver.
Bennion, John A. -	*19*	*Engineer* - -	*Manchester M. I*	*Mellor, J.* - -	*Bronze.§*
Johnson, John A. -	20	Draughtsman -	Patricroft -	Tomkins, E. -	Bronze.
Holt, Benjamin -	18	*Mechanic* - -	Rochdale -	Tomkins, E. -	Bronze.

* Gold in 1867. † Silver in 1867. ‡ Bronze in 1868. § Silver in 1868.

Name.	Age.	Occupation or (*f.*) Father's Occupation.	School.	Teacher.	Medal.
SUBJECT IV.—ELEMENTARY MATHEMATICS.					
Stanier, Wm. H.	20	Railway Clerk	Wolverhampton, St. Peter's.	Horton, F. C.	Silver.
Goodall, Hamilton	20	Mechanic	- - - -	Self-taught	Bronze.
White, John R.	15	(*f.*) Book-keeper	Liverpool Inst.	Sephton, J.	Bronze.
SUBJECT V.—HIGHER MATHEMATICS.					
McCann, Hugh W.	16	At School	Liverpool Inst.	Sephton, J.	Gold.
SUBJECT VI.—THEORETICAL MECHANICS.					
Greenwood, Wm. H.	23	Engineer	Owen's College, Manchester.	Jack, Prof.	Silver.
McCann, Hugh W.	16	At School	Liverpool Inst.	Sephton, J.	Bronze.
SUBJECT VII.—APPLIED MECHANICS.					
Snaden, John	25	Sergt. Royal Engineers.	- - -	Self-taught	Gold.
Coles, Henry J.	21	Engine Fitter	Chelsea, Arthur St.	Bickerton, A. W.	Silver.
Greenwood, Wm. H.	*23*	*Engineer*	*Manchester*	*Reynolds, Prof.*	*Bronze.**
Cumming, Douglas G.	23	Turner and Fitter.	- - -	Self-taught	Bronze.
SUBJECT VIII.—ACOUSTICS, LIGHT, AND HEAT.					
Greenwood, Wm. H.	23	Engineer	Manchester M. I.	Angell, J.	Gold.
Johns, John V.	15	(*f.*) Miller	Tavistock B. S.	Moffat, W.	Silver.
Cairns, Wm.	23	Managing Tenter	Ligoniel	Barbour, S.	Bronze.
Bennion, John A.	19	Engineer	Owen's College, Manchester.	Jack, Prof.	Bronze.
SUBJECT IX.—MAGNETISM AND ELECTRICITY.					
Gilson, Hugh	15	Monitor	Oldcastle	Beatty, J.	Gold.
Pegler, Oliver	21	Mechanical Student.	- - -	Self-taught	Silver.
Law, William A.	17	Printer	Northampton	Lees, C.	Bronze.
Meeze, Arthur G.	15	Laboratory Assistant.	Chelsea, Arthur St.	Bickerton, A. W.	Bronze.
SUBJECT X.—INORGANIC CHEMISTRY.					
Roughton, Henry	28	Engine Fitter	Grantham	Cockman, A.	Gold.
Akroyd, Benjamin	26	Woollen Spinner	Elland	Jarmain, G.	Silver.
Price, Thomas	14	Pupil Teacher	Plymouth Sci. Sch.	Rider, A. J.	Bronze.
Booth, John W.	26	Book-keeper	- - -	Self-taught	Bronze.
SUBJECT XI.—ORGANIC CHEMISTRY.					
Hicks, John O.	17	Laboratory Assistant.	Bristol Trade Sch.	Coomber, T.	Gold.
Saise, Walter	14	Carpenter	„ „	„	Silver.
Dickson, Alfred	18	- - - -	Leicester, St. Martin's Sch.	Atkins, E.	Bronze.
Akroyd, Benjamin	26	Woollen Spinner	Halifax	Jarmain, G.	Bronze.
SUBJECT XIV.—ANIMAL PHYSIOLOGY.					
Smith, William R.	17	Writer	Plumstead	Downar, G. F.	Gold.
Bridge, Thos. W.	20	Clerk	St. George's, Birmingham.	Bulpitt, W. T.	Silver.
Vosper, Henry	19	„	Manchester M.I.	Angell, J.	Bronze.
Davis, Thos. H.	18	House Decorator.	Cheltenham	Davis, W. S.	Bronze.

* Silver in 1866.

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CAPTAIN DONNELLY'S REPORT.

Name.	Age.	Occupation or (*f.*) Father's Occupation.	School.	Teacher.	Medal.
SUBJECT XIX.—METALLURGY.					
Greenwood, Wm. H.	23	Engineer - -	Manchester M. I. -	Angell, J. - -	Gold.
Pegler, Oliver - -	21	Mechanical Student.	- - -	Self-taught -	Silver.
SUBJECT XX.—NAVIGATION.					
Massam, John W. -	14	(*f.*) Master Mariner.	Hull Nautical Sch. -	Scaping, Z. -	Gold.
Johnston, Thos. -	14	(*f.*) "	" "	" -	Silver.
Jones, William H. -	16	Student " - -	Dundalk -	McEwen, H. -	Bronze.
Nelson, John - -	19	Clerk - - -	Larne, M.A. N. Sch.	Hay, W. - -	Bronze.
SUBJECT XXIII.—PHYSICAL GEOGRAPHY.					
Pollitt, William -	17	Clerk - -	Salford, W. M. C.	Shorrocks, J. W.	Bronze.

ROYAL EXHIBITIONS.

9. ROYAL EXHIBITIONS and NAMES of EXHIBITIONERS.

At the Royal School of Mines there are nine Royal Exhibitions of the value of 50*l.* per annum for three years, which entitle the holder to free admission to all the lectures and the chemical and metallurgical laboratories at the Royal School of Mines and the Royal College of Chemistry. They are open to all persons subject to the conditions of the Science Directory, and are competed for at the May examination of the Science and Art Department.

Three Royal Exhibitions were vacant last year, and were awarded to—

Name.	Age.	Occupation.	School or Residence.
Edmund F. Mondy -	23	Shipwright -	Greenwich.
*Thomas J. Walley -	23	Science Teacher	Preston.
William H. Greenwood -	23	Engineer - -	Manchester.

At the Royal College of Science, Dublin, three Royal Exhibitions of the same value and held under the same conditions were also vacant last year, and were awarded to—

Name.	Age.	Occupation.	School or Residence.
John M. Scott - -	18	Teacher in Trg.	Santry, Dublin.
*Oliver Pegler - -	21	Mech. Student -	Leeds.
Joseph B. Skeffington -	25	Teacher - -	Ballykinlar.
*John Snaden - -	25	Serjeant, Royal Engineers.	Chatham.

* Mr. Walley has since died; Mr. Pegler has been transferred to London, and the Exhibition thereby vacant awarded to Mr. Snaden.

10. WHITWORTH SCHOLARSHIPS.

(*a.*) RESULTS of the EXAMINATIONS in THEORETICAL SUBJECTS and PRACTICE in the COMPETITION for the WHITWORTH SCHOLARSHIPS.

N.B.—The names of the successful competitors for Whitworth Scholarships have numbers before them. The remainder obtained 25*l.* Exhibitions.

	Name.	Age.	Occupation.	No. of Marks.		Total.
				Theoretical.	Practical.	
1	Greenwood, William H.	23	Engineer	74	69	143
2	Hearson, Thomas A.	20	Student, R.S.N.A.	96	41	137
3	Hopkinson, John, B. Sc.	19	Student, Camb. University	122	12	134
4	Elgood, Thomas S.	24	Mechanical Engineer	69	58	127
5	Greenhill, George A.	21	Student. Camb. University	107	9	116
6	Brittle, John R.	23	Engineer	38	75	113
7	Philips, Thomas W.	23	Engineer, R. C. of S., Dublin	55	45	100
8	Sennett, Richard	31	Student, R.S.N.A.	51	47	98
9	Buckley, Robert B.	21	Engineer	79	18	97
†	Leeds, Charles E., B.A.	23	Student	63	34·5	96·5
10	Purvis, Frank P.	19	Student, R.S.N.A.	90	6	96
	Mondy, Edmund F.	23	Shipwright	75	18	93
	Perram, George J.	20	Student, King's College	76	12	88
	Blakesley, Thomas H.	21	B.A., Cantab.	80	3	83
	Bush, James	24	Science Teacher	77	4	81
	Deering, Lucius H.	21	Engineer's Apprentice	48	29	77
	Snaden, John	25	Sergeant, R.E.	58	16	74
	Perry, John	19	Student, Qns. Coll., Belfast	45	28	73
	Jones, J. H.	25	Engineer	64	8	72
	Pirie, Lewis J.	19	Engineer	19	52	71

† Obtained a scholarship, but gave it up.

(*b.*) EXAMINATION IN THE USE OF TOOLS.

The Axe.

1st. Square up the octagonal block of wood given to you, like the sample block, using the axe only. Keep the square as large as possible.

2nd. Make an axe haft like the pattern given you, using the axe and spokeshave, and finishing the haft to the same size as the pattern.

N.B.—The time allowed for this work is two hours, but, if it be completed within that time, the time actually spent in the operation will be recorded and taken into consideration.

The Hammer and Chisel.

Chip the piece of cast iron over on the top surface, leaving the surface as even as possible from the chisel.

N.B.—The time allowed for this work is two hours, but, if it be completed within that time, the time actually spent in the operation will be recorded and taken into consideration.

The Saw and the Plane.

1st. Saw out of the piece of plank given to you, two square strips, and plane them up square.

2nd. Make two parallel strips 2 feet long by 2 inches wide, and $\frac{3}{8}$ inch thick.

N.B.—The time allowed for this work is two hours, but, if it be completed within that time, the time actually spent in the operation will be recorded and taken into consideration.

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The File.

1st. File up square any two adjacent sides of the cast-iron cube. A square is provided for trying the work. Give your file always nine inch stroke.

2nd. File up the hexagon nut given to you, on its six sides. Two gauges are provided for you, one gives the size of the nut across the sides, the other the correct angle for the corners.

N.B.—The time allowed for this work is two hours, but, if it be completed within that time, the time actually spent in the operation will be recorded and taken into consideration.

The Forge.

1st. Weld together the two pieces of square iron given to you, using only your hand hammer.

2nd. Make the two halves of a pair of tongs like the pattern given you, from the three pieces of round iron supplied.

N.B.—The time allowed for this work is two hours, but, if it be completed within that time, the time actually spent in the operation will be recorded and taken into consideration.

(*c.*) EXAMINATION IN HANDICRAFTS.

INSTRUCTIONS TO CANDIDATES.

Turning.

Bore out the bevil wheel to 1½ in. in the hole, using the two drills and the finishing bit supplied to you.

Turn up the piece of round iron to serve as a mandril, force on the wheel with the mandril press, and turn it up on the back and face and tops of the teeth; scrape it up clean and smooth like the pattern.

The time allowed for this work is four hours.

Fitting.

Key the boss upon the short shaft, cutting a key way $\frac{7}{16}$ in. square, and letting the key half into the shaft and half into the boss. File up your key and fit it well in. Let the end of the shaft project one inch through the boss to support the head of the key.

The time allowed for this work is four hours.

Pattern Making.

Make a pattern of a short piece of a girder from the sketch and material given you. The pattern to be ready for the foundry, including the core-box for the two bolt holes in the flange of the girder.

The time allowed for this work is four hours.

Smiths' Work.

Get out iron and weld up four lathe collars. Internal and external diameters and thickness to be finished as shown upon templates supplied.

The time allowed for this work is four hours.

11. Local Exhibitions.

Place or School.	No.
1869–70.	
Beith, New Street School	1
Dundalk, Free Library	1
Lancashire and Cheshire Union of Institutes	1
1870–71.	
Beith, New Street School	1
Cheltenham, Whitworth School	1
Monaghan, Corcaghan National School	1
Irvinestown, National School	1
Jarrow-on-Tyne, Mechanics' Institute	3
Lancashire and Cheshire Union of Institutes	1
Dunville Exhibitions, open to natives of Ulster	2

12. Mr. Iselin's Report on Inspection of Schools and Classes of Science and Art.

South Kensington, March 1870.

During the past year, I have, in accordance with my instructions, inspected a number of Science schools and classes in Ireland, in Birmingham, and the district in the West Riding of Yorkshire, and in South Wales.

Rapid increase in number of classes and improvement in instruction given.

An account of the circumstances of these schools, and of the particulars of the instruction given in them, is contained in my detailed reports to the Department. It will be seen, on reference to the tables at the end of Capt. Donnelly's Report that, the increase in the number of classes this year is still more decided now than at the end of any previous year, and, as far as my personal observation has enabled me to judge, the quality of the Science teaching throughout the country is also improving. This might have been expected as the result of continued experience; but, in addition, I may point out that, the lectures delivered last year to the Science teachers by Professors Huxley, Frankland, and Guthrie, have had a marked effect on the character of the instruction which those teachers have since given.

Every effort is also used by the examiners to deter and check the system of cramming, which, as I had occasion to observe in my last annual report, prevails to a considerable extent in some parts of the United Kingdom. I regret to be compelled to add that the remarks which I then made on the Irish schools, subsequent experience would have led me to extend to several on this side of St. George's Channel.

The defect is most observable in Science classes established in connexion with and for the pupils of elementary schools, where the students are more immediately under the control of the teacher. In order to produce good results, the youth, and often the deficiency in primary education, of his pupils, compels the teacher to cultivate their memory rather than their intelligence. Even in the training colleges, where the same excuse cannot be pleaded, I have, in one or two instances, observed the same failing. The system of the Department, by offering every inducement to pupils to extend their scientific training over a lengthened period, co-operates, I conceive, successfully with the examiners in their endeavours to put a stop to the evil.

A periodical inspection of the Science schools and classes has always

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Necessity for inspection.

been found useful in preventing the spread of irregularities, and in controlling the appointment and action of the local committees, over whom otherwise, the Department, from want of special local knowledge, could exercise no authority. After a little experience, and by a comparison of the methods pursued at different schools, the inspector is also enabled to directly benefit the teacher, by bringing to his notice the efforts made in other localities, of which, otherwise, he would have no information. The large increase in the number of classes has quite outgrown the limited inspecting power available to the Department; under these circumstances the services of the officers of Royal Engineers, stationed in the different military districts of the kingdom were, with the permission of H.R.H. the Commander-in-Chief, taken advantage of. These officers had already in the previous year rendered great help to the Department, by visiting as many as possible of the institutions during the time that the examinations were being carried on. By an extension of the same plan, they were now asked to aid also in the preliminary inspection of the various classes. In this way I had last year the ready and efficient assistance of Capt. Davidson, R.E., Major Brooke, R.E., and Lieut. Matheson, R.E. in the inspection of the classes in the north of Ireland. Col. Kerr, R.E. undertook the classes in the vicinity of Limerick, where he was then stationed; the late Capt. H. Luard, R.E., inspected those in the centre of Ireland, near his own station, Athlone, as well as many in the counties Donegal, Fermanagh, and Tyrone; and Lieut. Puzey, R.E., several classes in the South of Ireland. In England I enjoyed the advantage of being assisted by Lieuts. Davies, Coddington, and Buckle, R.E., in the inspection of the classes in the midland counties; Col. Whittingham, R.E. and Lieut. Buckle, R.E. undertook the classes in the West Riding of Yorkshire; Capt. Clements, R.E. (stationed then at Pembroke) those in South Wales, and Col. Montague, C.R.E., at Colchester, the eastern counties. The duties which all these officers undertook were most satisfactorily discharged, and the Department has been enabled, at comparatively a small cost, to obtain important knowledge of the details of management of a large number of classes which must otherwise have been wanting.

Inspection by officers of Royal Engineers.

During the May examination last year, several of the officers of the Royal Engineers again volunteered to visit the different centres and to report on the manner in which the regulations of the Department were carried out. By this means several cases of irregularity were brought to the knowledge of the Department.

Art School and Art Night Classes.

In the past year I have also inspected and reported on the Schools of Art at Andover, Bridport, Brighton, Devizes, Dorchester, Frome, Henley-on-Thames, Lewes, Reading, Salisbury, Southampton, Trowbridge, Warminster, and Warrington, and the Art Night Classes at Maidstone, Swindon, and Wilton. Besides the above, I have visited all the Art Schools and Night Classes in the metropolitan district.

My inspection in these cases has been confined to the management only, and full details are given in my special reports to the Department.

The efficiency and success of many of the Schools of Art depend to a considerable extent on the personal influence and superintendence of the committees, and the conduct of the 2nd grade examination in March is entrusted to their care. Not only the masters of the schools, but also the officers of the Department must acknowledge the obligations they are under to the members of the committees, many of whom holding positions of public responsibility have numerous calls upon their time and attention. At the same time as one of the fundamental principles of the system adopted by the Department is that of payment on results, it is necessary to ask for a strict adherence to the rules of the Department for conducting the examinations on which those results depend, even

though the necessary attendance of the committee should entail personal inconvenience on the members.

Scientific knowledge applied to industry in Yorkshire.

In Yorkshire a new (at least as far as this country is concerned) development of the Science instruction, fostered by the Department, has been commenced, namely, the application of scientific knowledge to the industrial Arts. This movement appears to be instituted with the same object and on the same plan as the purely technical classes at Mulhouse, Amiens, Nantes, and other towns in France. For the following account of the technical classes at the Leeds School of Science and Art, I am indebted to Mr. G. H. Nussey, the honorary secretary, to whose exertions and influence the classes principally owe their origin.

"The spread of elementary instruction in Art and Science in day "schools, night classes of mechanics, and other institutions, has "induced the Committee of the Leeds School of Art and Science to "establish classes in which the direct application of scientific or artistic "knowledge to manufactures might be studied in a more systematic "manner than it could be done in ordinary Science and Art Schools. "In the opinion of the committee the connecting link between the "abstract learning of drawing and its application to manufactures and "trade, between the science of the laboratory and the practical science of "the dyehouse and the workshop, has not yet been sufficiently studied; "nor have those who engage in practical art or practical science as many "facilities for learning the theory combined with practice of their several "trades as a due consideration of the great importance of their education "would suggest. The sons of manufacturers and the foremen of work-"shops have time at their disposal, are willing, and some anxious to "learn, and it has been principally for them that the Technical Classes "have been established."

"The principal trades of the locality have had the first claim on the "attention of the Committee, and have furnished the students in its "classes. These classes are as follows:—

1. "A designing and weaving class.

"The teacher is engaged in the art by a manufacturing firm in "Leeds. In this class the student, after learning the mechanical "arrangements of the loom and the weaving of plain tissues, is "taught to design patterns, to fix them in the loom, and work out "practically; he is thus enabled to avoid designs unsuitable to his "materials, and to distinguish what combination of colours pro-"duce the best effects and patterns. A collection is being made "of various makes and designs of fabrics, with plan of weaving "attached for the use of the students. There are twenty students "in the class, consisting of sons of manufacturers, their foremen, "and apprentices in about equal numbers.

2. "An advanced chemistry and dyeing class.

"The teacher here produces the actual dyes, mordants, astrin-"gents, bleaching and tanning agents used in the various "manufactures and dyeing of fibrous materials, and in tanning. "The theory of chemistry is applied to the various processes, and "is thoroughly explained by practical experiments. The reputa-"tion of the teacher (Mr. Jarmain) has caused many school-"masters to join this class, and it is part of the Committee's plan "that this should be so, for the school in which the class is held is "partly established, and is designated as a training school for "teachers. Altogether there are twenty-seven students in this "class, of whom sixteen are either foremen or sons of manufac-"turers, and eleven are teachers of schools in the neighbourhood."

3. "A class for machine drawing, building construction, and plane "and solid geometry.

"This class was the first established in Leeds for the first three

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" subjects of the Science scheme, of the Science and Art Depart-
" ment. It is not largely attended, the students being almost en-
" tirely from the School of Art classes. But as machine and tool
" making is so important a part of the trade of the locality, it was
" thought desirable to include it in the scheme.

" A second class for the study of this subject, for schoolmasters
" only, under the auspices of the Yorkshire Board of Education,
" meets in the institute. The number of pupils in both classes is
" a little over twenty, consisting entirely of machinists, builders'
" sons or employés, or teachers.

" It is felt that something has been done to make a practical beginning
" in these subjects of practical education, though a perfectly satisfactory
" success will not be achieved until perfectly appointed laboratories and
" workshops, supplemented by good collections of apparatus and illus-
" trations are available."

Classes for the study of practical dyeing have also been established in other towns of the West Riding of Yorkshire. The object and nature of this instruction will be gathered from the following circular issued in April 1869 by the Committee of the Huddersfield Mechanics' Institute to the employers of labour, especially the large dyeing houses in that district:—

" The Committee of the Huddersfield Mechanics' Institute, encouraged
" by the success which attended the Technical Classes last summer,
" have resolved to re-open the class for the Chemistry of Dyeing, under
" Mr. Jarmain.

" The course will consist of at least Sixteen Lessons; the class will be
" held each Tuesday Evening, to commence May 11th, and terminate in
" September. To take advantage of daylight the class will be occupied
" in Practical Dyeing from 7 to 8. Chemistry of Dyeing (including
" elementary principles of Chemistry) from 8 to 9.

" The students will be occupied in scouring, bleaching, and dyeing
" operations, the preparation of dyers' solutions, mordants, &c., the
" testing with the view of ascertaining the commercial values of dye-
" wares, soda-ash, soap-ash, tin solutions, bleaching powders, &c., the
" use of the best forms of hydrometers in testing the strengths of various
" solutions employed in the dye-house, the dyeing of patterns in wool,
" cotton, and silk, according to the best formulæ in use in Great Britain
" and France. The terms for the course, in addition to the ordinary
" membership fee, will be 5*s.* for artisans, and 15*s.* for others.

" So far as regards the woollen trade of this neighbourhood, it is
" almost as important to excel in the production of colours as in de-
" signs, especially now when the prevailing shades are so constantly
" changing. It is of the utmost importance that this district should be
" able not only to keep abreast of all its rivals, but, if possible, to out-
" strip them; and it is the opinion of the Committee that this can only
" be done by an adequate number of artisans being made thoroughly
" acquainted with chemistry, and its application to practical dyeing.
" They would, therefore, respectfully suggest that you select one or
" more of the most promising youths in your employ, and arrange for
" his or their attendance at Mr. Jarmain's class.

" The Committee consider that although actual expertness in working
" operations must be acquired in the workshop, yet the establishment of
" this class will be of incalculable benefit to all concerned in dyeing,
" from the master down to the humblest workman, as the students will
" have the advantage of scientifically and technically studying the mate-
" rials and processes relating to their industry. It is therefore earnestly
" hoped that employers will assist the Committee in their efforts to

" impart technical knowledge to the industrial classes of the neigh-
" bourhood."

Mr. Jarmain has been good enough to send me an account of his classes at Halifax. As it contains a description of his methods of instruction it cannot fail to be of interest, and I have included it in my report. He says:—

" In the autumn of 1867 I was requested by Colonel Akroyd of Halifax
" to advise with him as to the best mode of promoting the technical
" instruction of the artisan classes of Halifax. I at once recommended
" the formation of a class for teaching the chemistry of scouring, bleach-
" ing, and dyeing, knowing from much experience that the workmen
" engaged in these operations in this district are, to a great extent, igno-
" rant of the chemical principles involved therein. Colonel Akroyd
" adopted my proposal, and kindly promised me every facility for carry-
" ing out my scheme. A class was advertised, and students of all ages,
" to the number of 30, presented themselves. Besides working dyers we
" had also the sons of many master dyers and manufacturers, and, in
" fact, the thing was taken up with a considerable amount of spirit
" and earnestness.

" I found great difficulty in carrying out my plans, in conse-
" quence of having nothing ready to my hands. No text-book or
" book of reference, from which I might learn the experience of other
" teachers, was available for me. I, therefore, had to invent plans of my
" own, and although I have since found it necessary to alter them to
" some extent, I have in the main adhered to my original scheme. I
" first took up the subject of scouring; I described the properties, com-
" position, and mode of action of the various detergent materials used in
" our manufactures, giving the students their relative values, and show-
" ing them how to determine volumetrically the per-centage of available
" alkali in samples of soda-ash, soap-ash, and similar materials, I then
" requested them to bring samples of these substances from their own
" works, and I required them to perform volumetric estimations on these
" themselves.

" I next took up bleaching, and explained the chemistry of the action
" of bleaching liquid on cotton goods and of sulphurous anhydride on
" woollen goods; I then showed them how the bleaching of wool could
" be done by means of a solution of bisulphite of soda; I also showed
" them the French manganate of soda process, and I required them to
" bring samples of wool and try these operations themselves, and I
" showed them how to estimate volumetrically the per-centage amount
" of chlorine in their own samples of bleaching powder. I also showed
" them how to test the hardness of water and the purity of Gallipoli oil.

" It was, however, with the dyeing that I met with the most difficulty.
" I was anxious that the students should experiment themselves on a
" small scale in our laboratory under my own supervision. I had a
" number of copper pans made, holding about a pint, in which water
" could be boiled over the Bunsen flame: in these they dyed all their
" samples. The aniline colours were taken first, and the special plan to
" be adopted in each case in dyeing with these was described to them.
" I then explained to them the use of a mordant and the chemistry of
" its action in fixing the dye upon fabric, and I gave them experimental
" illustrations of this. At this stage the mode of preparing and of esti-
" mating the commercial value of the most common mordants, such as
" the solutions of tin and iron, was explained to them. I then described
" the principal colouring matters, their uses as dyes singly and in com-
" posite colours, and I gave them examples of their action whenever
" possible. In each case I drew up a formula which would show at one

" glance what proportions of materials to use, how to use them, and the " length of time to be occupied in the operation, an example will best " explain the kind of formulæ I adopted; I therefore give below the " processes for dyeing a black on wool and a drab on cotton :—

Dyeing Formulæ.

BLACK (WOOL)

15 min. 212° F.	15 min. 212° F.
Bichrome, $\frac{1}{24}$	Logwood, $\frac{5}{4}$
Dyed Sample.	

DRAB (COTTON).

15 min. 180° F.	5 min. cold.	10 min. hot.
Catechu, $\frac{1}{12}$. Sumac, $\frac{1}{8}$	Copperas, $\frac{1}{12}$	Chrome, $\frac{1}{24}$
Dyed Sample.		

" The fractions used indicate the quantity of dye-ware, the weight of the " fabric being the unit; thus, if the quantity of cotton were 48 grains " (a very conveniently divisible number), the student in order to dye it " drab, as in the second formula, would require four grains catechu " ($=\frac{1}{12}$ of 48), six grains of sumac, four grains of copperas, and two " grains of bichromate of potash. In order to dispense as much as pos- " sible with the trouble of weighing, I had standard solutions of the " dye-ware prepared wherever practicable, each dram of which contained " one grain of the dye (160 grains dissolved in a pint bottle full of water), " the student then had merely to measure out the requisite number of " drams of the standard solution. The horizontal line above the dyes " implies that those are to be treated in the pan together with the goods, " the time and temperature being placed above. The straight perpendi- " cular line means that the goods are to be well washed out in cold water " after the operation before they are passed to the next process. The " perpendicular crooked line, as in the second formula after sumac, means " that the goods are to be wrung out or allowed to drain for some time " before being passed to the next operation. The quantities of dye-wares " required on this small scale of dyeing are very much greater than are " necessary on the large scale, and I had to keep my students well " posted up in this fact. I found it necessary to ascertain the requisite " quantities of materials by experiment. The formulæ were written out " on large sheets with soft black crayon, and a pattern dyed by the for- " mula was placed under the name of the colour. The chemical action " of the dye materials and mordants upon one another in each operation " was explained to the students.

" The course of instruction embraced about 16 lessons of two hours " each, one hour being devoted to a lecture and the necessary explanations " of the formulæ, and the other to practical work in the laboratory. The " interest of the students was sustained throughout. The class was " opened again during the summer months of 1869 with equally satis- " factory results. During the years 1868 and 1869 I opened a similar " class at the Huddersfield Mechanics Institution by the request of the " committee of management, and I have just terminated a course of " lectures at the Leeds School of Art and Science in this subject. I am " also requested to hold myself in readiness to open a class in Bradford " during next summer. From the interest taken by the pupils in the " subject in all these cases and from the great encouragement which I

" received from the committees of the above institutions, I feel persuaded " that this is a kind of technical instruction very much needed and ap- " preciated in the cotton and woollen manufacturing districts. The " dyeing classes will be suspended this summer in consequence of my " having business engagements which will prevent me from attending " to them. I hope, however, to be able to resume my work with them " next summer.

" I have received very great help from my assistant, Mr. Frost, who " is a good practical dyer and a good chemist, two accomplishments " which are but too rarely associated in our English working dyers."

Classes such as these, under practical and experienced teachers, cannot fail to be of great benefit to the industries of the districts where they are established, provided always that the subjects in which instruction is given are of direct importance in the locality. It may become a question whether this kind of instruction is not deserving of aid from Government, on the same principle as that now administered to the more theoretical teaching. Meanwhile it will be interesting to watch the progress of the attempts to practise and apply the knowledge acquired in the schools and classes under the Department.

J. F. ISELIN.

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13. REPORTS by some of the PROFESSIONAL EXAMINERS of the SCIENCE and ART DEPARTMENT on the EXAMINATION in SCIENCE, held in May 1869.—*Published for the Information of Teachers and Pupils.*

SUBJECTS I., II., III.—PRACTICAL PLANE AND SOLID GEOMETRY, MACHINE DRAWING, AND BUILDING CONSTRUCTION.

The examination in practical geometry has been as satisfactory as can perhaps be expected till geometry, in the most comprehensive sense of the term, is more studied in schools and colleges than it is at present in this country.

The adherence to Euclid as the sole authority on this science,—however well calculated that work may be to foster intellectual judgment among the more educated classes,—prevents the proper attainment of that branch of mathematics which is most important to all who are intended to practise any of the arts of construction. This is due to the inattractive form in which that great work is arranged, more especially as regards the 5th, 11th, and 12th books. Now for such students a knowledge of pure theoretical geometry of a more advanced kind than is comprised in the "Elements" is absolutely necessary. In England there are few works which contain this extension of the science; while on the continent, where Euclid has long been discarded, there is an abundance of excellent works purposely framed to inculcate all the knowledge required by practical men.

The instructors in the various Science Schools and Classes are generally inefficient from the want of this more extended knowledge; they consequently teach their pupils empirical and very objectionable constructions, which are not only more circuitous than authentic ones, but are also calculated to retard any advance in sounder knowledge among their scholars. Certainly these instructors may plead in excuse the want of a sound elementary work by which both to learn and to teach geometry.

Of course, among the candidates there are many not deserving of these strictures, who show a sound knowledge of geometry rightly applied, and whose constructions are consequently both accurate and unobjectionable.

Having on several former occasions pointed out the causes of the numerous failures of candidates in Subjects II. and III., and observing that these defects

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are as glaring as ever, I must emphatically state that the instruction in these subjects must be most objectionable and defective.

The candidates generally are not taught the essential principle upon which accuracy of drawing is based:—that in order to ensure that accuracy, the central line, or "axis of symmetry," of not only the larger, but also of all the subordinate parts of any work of construction should be first drawn. Further, the candidates seem to have no conception that the plan, elevation, and section of the same object, should be co-ordinated according to the first principles of solid geometry. These obvious principles of all mechanical and architectural drawing are flagrantly neglected by the candidates, their drawing is in consequence worthless and discreditable.

A very slight inspection of the candidates' work shows that by far the greater number have no knowledge of what they are drawing, either as regards its use or construction, and that they have been taught only to copy bad diagrams set before them. While so employed they receive no instruction on the use, or the construction of the piece of mechanism, or part of a building, the relative proportion of its parts, or the materials of which each part is made; the learner only copies the figure before him as so many *lines*.

These remarks more especially apply to Subject III.: I believe the candidates often do not know a brick wall from a timber framing, and generally show far greater ignorance of the construction in this subject than they do in machinery. But it is necessary to state that in both subjects there are exceptions; in may cases the drawing is excellent, and a fair knowledge is indicated by the candidates' work.

The candidates often neglect the conditions of the examination paper, and instead of completing a few figures well, they attempt several, which are commenced, and left imperfect, thus forfeiting much of the credit they would otherwise be entitled to.

(Signed) THOMAS BRADLEY.

SUBJECT III. (ALTERNATIVE).—NAVAL ARCHITECTURE.

SIR,

Mr. Baskcomb's Report.

REFERRING to your letter of the 26th May, in which you request me to make any general remarks which I consider might with advantage be communicated to the science teachers for their future guidance, I beg to make the following suggestions, viz.:—

That in future all sketches required to be drawn to scale be made with a drawing pen and Indian ink, and not left in pencil, *or marked in* with a writing pen. The Indian ink might be prepared a few minutes before the examination commences.

I have, &c.
(Signed) W. B. BASKCOMB.

SUBJECT IV.—ELEMENTARY MATHEMATICS.

SIR,

Mr. Cowie's Report.

I DO not think I can add much to the report I sent last year. There is not any difference of observation to report this year. I may add that the way in which the examination has been varied is the cause of my hesitation in giving any opinion an the general merits of the candidates, and the way in which they have done their work.

Next year, with experience of the first attempt, we shall have also the results of an examination of the same kind, and then it may be time to make some remarks. This year I think it would be premature.

I have, &c.
(Signed) B. M. COWIE.

SUBJECT V.—HIGHER MATHEMATICS.

Dr. Woolley.

The performances are very unequal. In some schools a very low standard for the elementary stage seems to have been assumed; in others a proper appreciation of the subject has been attained. As might be expected, the failures are numerous, especially in the advanced stage, where a higher standard for passing is required.

(Signed) J. WOOLLEY.

SUBJECT VI.—THEORETICAL MECHANICS.

Mr. Twisden.

MY LORDS,

I BEG leave to submit the report of the marks assigned to the work sent in by candidates for examination in the subject of theoretical mechanics.

It may be well to mention that they have been assigned with reference to the following maxima:—

For the honour papers	-	270 maximum.
„ advanced „	-	150 „
„ elementary „	-	150 „

According to directions received from your Lordships, I have added in the enclosed memorandum some remarks which may perhaps be of service to teachers for their information and future guidance.

I have, &c.

(Signed) JOHN F. TWISDEN.

Memorandum on the Examination in Theoretical Mechanics.

(1.) With regard to the work sent in by candidates for honours:—

(*a.*) No. 13,119 and 13,117 sent in very excellent answers; as good as could, perhaps, under any circumstances be expected. None of the other candidates showed a full knowledge of their subject. No. 28,288, No. 62,334, No. 61,267, No. 62,341 showed a very fair, though partial acquaintance with the subject.

(*b.*) The questions marked (*s.*), (*u.*), (*w.*), and (*y.*) were, with few exceptions, left unanswered, or answered incorrectly.

(*c.*) It cannot be too strongly impressed upon students that they ought to be thoroughly grounded in the first and second stages of theoretical mechanics before beginning to study with a view to the examination for honours.

(2.) With regard to answers to the questions of the advanced papers:—

(*a.*) A very great number of candidates wrote on points regarding which no questions were asked, *e.g.*, in answer to (*e.*) an account of the metacentre was in very many cases given. A proof of the rule for finding the centre of gravity of a triangle in many cases formed part of the answer to (*b.*). An account of the law of variation of pressure under varying temperature was given as part of the answer to (*f.*), &c., &c.

(*b.*) Question (*d.*) and the example to (*f.*) were in most cases either omitted or imperfectly answered. It was perhaps to be expected, as was the case, that only few of the candidates would answer (*h.*) and (*i.*).

(*c.*) Question (*j.*) was only a few cases quite rightly solved. The failures mainly occurred from using a wrong formula.

Questions on direct impact, such as (*j.*), are solved with least risk of error by proceeding from first principles, and not by applying a formula which is very apt to be remembered incorrectly.

(3.) With regard to the answers to the questions of the elementary paper:—

(*a.*) No. 7 and No. 11 were answered correctly by not more than three or four candidates apiece. The proof asked for in No. 7 was in very few instances given correctly, and the example though a very easy one, was not more successfully dealt with.

A mistake of very common occurrence was that of supposing that the resultant of the forces along A B and B C would act along B D. This could hardly have occured so often if teachers had dwelt sufficiently on the fundamental rule for the composition of two forces. As illustrating the same point, it may be mentioned that in answering No. 1 compara-

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tively few candidates distinguished between the resultant of two forces and the force which balances them.

(*b.*) Another point in regard to which there were numerous failures, occurred in the answers to questions which called for mere statements. To make clear brief statements of rules and principles, and to work easy examples arising out of them, is the work of the first stage. Thus the statements asked for in No. 5, 6, 9, 11 were, in too many cases made erroneously.

In the above remarks the points at which failures have occurred have been mainly dwelt on; it is, therefore, only fair to add that a great deal of good and accurate work has been sent in by various candidates.

(Signed) J. F. TWISDEN.

SUBJECT VII.—APPLIED MECHANICS.

SIR,

Mr. Anderson.

IN compliance with your letter of the 26th ultimo, I have the honour to remark that the result of the examinations as a whole is satisfactory, and much in advance of the last The honours papers, although good, are perhaps not up to the high standard that was expected. Full credit for honours paper is 240; the highest is 194.

Some of the advanced papers are very good, and have full credit, viz., 240.

As regards the elementary papers they are extremely varied, but on the whole very good. Full credit for the whole paper is 320, the highest being 288.

Most of the papers are better in regard to art and mechanism than to the scientific principles on which the art and mechanism are founded, and I would recommend the teachers to make more of the principles and less of the apparatus.

I am, &c.

(Signed) JOHN ANDERSON.

SUBJECTS VIII. AND IX.—ACOUSTICS, LIGHT AND HEAT, AND MAGNETISM AND ELECTRICITY.

SIR,

Dr. Matthiessen.

IN answer to your letter referring to any remarks on the examinations in acoustics, light and heat, magnetism and electricity, I would suggest that it be recommended to the teachers that they should exercise their pupils in written answers, in order that they may learn to express better what they mean, and to answer more concisely. For instance, the teachers should be recommended to give questions to the pupils to answer at home, the papers being brought back to the teachers at the next meeting, and again returned properly corrected to the pupils at the meeting after that.

On the whole, as regards the present examination, I consider the answers to be generally very satisfactory, showing that a great amount of information on these subjects must be widely disseminated through the country.

I remain, &c.

(Signed) A. MATTHIESSEN.

SUBJECTS X. AND XI.—INORGANIC AND ORGANIC CHEMISTRY.

SIR,

Dr. Frankland.

IN compliance with the request contained in your letter of the 26th May, I beg to submit the following remarks upon the recent examination of the Science Schools in chemistry.

1. *Honours Papers.*—The examination papers in honours (inorganic and organic chemistry) were, in accordance with the instructions of the science inspector, very difficult, and I am therefore not surprised to find that a large proportion of the candidates in this department failed. In inorganic chemistry, out of 52 candidates, only four passed in the first class, and 19 in the second, whilst 29, or 55·8 per cent., failed. In organic chemistry only seven papers

were sent in; of these not one entitled the writer to a first class; three passed in the second class, whilst four, or 57 per cent., failed. Several of the honours papers, both in organic and inorganic chemistry, displayed much accuracy of knowledge and considerable acquaintance with the more important doctrines of modern chemistry.

The chief defects met with in a considerable number of the papers sent in are:—

1st. The incorrect use of the terms "base," "atomicity of elements," "rational formula," and "constitutional formula;" and,

2nd. The obvious want of efficient laboratory instruction in practical chemistry.

To the latter point the attention of teachers should be strongly drawn, as no candidate ought to be allowed to pass in honours who does not possess an accurate knowledge of both qualitative and quantitative analysis.

2. *Advanced Papers.*—The results of the examination in the second or advanced stage are more satisfactory than in either the honours or elementary stage. The following is an abstract of these results:—

Inorganic Chemistry.

	Total.	Per cent.
1st class	73	17·6
2nd „	221	53·5
Failed	119	28·9
	413	100·0

Organic Chemistry.

	Total.	Per cent.
1st class	9	20·0
2nd „	20	44·4
Failed	16	35·6
	45	100·0

Gratifying as these results are, I believe they would have been still more so if the time allowed for answering the questions had been in numerous instance better distributed. Many of the candidates obviously spend an undue proportion of their time in replying very elaborately to the first two or three questions, and in consequence they cannot afterwards do anything like justice to the remainder. Several of the questions require long calculations, which ought to be verified by being gone over a second time; for lack of this, the misplacement of the decimal point and other similar mistakes are very numerous. Many candidates complain that they have not time to complete their answers, but some of these evidently adopt this as a mode of concealing their ignorance.

The chief defects noticeable in these advanced papers are:—

1st. The incorrect use of the terms "compound radical," "graphic formula," "base," "rational formula," and "constitutional formula." A large number of candidates have regarded the last two terms as synonymous.

2nd. An almost universal ignorance of systematic qualitative analysis.

Nearly all candidates know something of testing for individual elements, or compounds, but they appear to have no knowledge whatever that these tests are inapplicable when other substances are present in the material tested. The smattering of analytical knowledge which they possess is worse than useless, because, if applied, it is sure to lead them into error. I shall again refer to this subject below.

3rd. The candidates have evidently had to depend too much on mere book work and oral instruction; they have not been sufficiently brought into contact with the phenomena themselves, through the aid of experimental illustrations performed either by them personally or by their teacher.

3. *Elementary Papers.*—The results of the examination in the first or elementary stage are as follows:—

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Inorganic Chemistry.

	Total.	Per cent.
1st class	88	5·2
2nd „	394	23·0
3rd „	596	34·9
Failed	629	36·9
	1,707	100·0

Organic Chemistry.

	Total.	Per cent.
1st class	4	2·5
2nd „	21	13·0
3rd „	82	50·5
Failed	55	34·0
	162	100·0

The separate files of papers returned in this as well as in the advanced stage, exhibit the widest differences as regards proficiency. In some files nearly every paper is good, if not excellent; in others nearly every candidate fails. How far this depends on the comparative efficiency of the teachers of different classes, and how far upon the aptitude of the pupils, or the time they can devote to the subject, I have no means of ascertaining; it can scarcely be doubted, however, that an inquiry into the cause or causes in certain typical cases would throw considerable light on the mode in which chemical instruction is now being given in the science schools throughout the country.

Judging from the manner in which such questions as Nos. 5, 7, and 11 are answered by a very large number of candidates, I cannot avoid the conclusion that nearly all their knowledge was acquired from books or from lectures with exceedingly meagre experimental illustrations. The pupils seem to be retentive enough, as evidenced by the answers they have given to two questions, for which they were evidently well prepared. I have been surprised to find that a very large number who were able to write out correctly symbolic equations of a very complicated nature, such as those involved in the preparation of hydroxyl, could not give the symbol for a common compound like sulphate of soda, and had not even a remote conception of the use of the glass tube mentioned in question No. 11 (Inorganic Chemistry).

On the whole, however, the results of this examination have convinced me that oral chemical instruction has made great advances since May 1868. The modern doctrines of atomicity and of molecular formulæ, as well as the method of representing chemical compounds by graphic formulæ, have made much progress amongst teachers, and it cannot be doubted that they will be the means of rendering chemical instruction not only much more accurate and precise, but also more efficient as a means of mental training than it has hitherto been.

I have already alluded to the unmistakeable evidence of great deficiency —almost total absence—of practical instruction among the candidates who take the advanced and elementary papers. So long as this instruction is not imparted, the chemical knowledge acquired by the pupils will be likely to be superficial, and it will certainly be of but comparatively small practical benefit to them in after life. Practical instruction, in which the pupil is made an operator, is by far the most valuable kind of chemical teaching. It serves to give solidity to what has been learnt from books and lectures, and it is directly applicable in the every-day occupations of the workman or manager. But how is this instruction to be imparted to the class of pupils presenting themselves in the elementary and advanced examinations? I have carefully gone into the cost of such instruction, and find that its minimum amount (for

chemicals used and apparatus broken) would be 2*l.* for each pupil. It is obvious that, except in very few cases, the pupil himself cannot pay this sum, still less can the teacher of numerous pupils be expected to make himself responsible for it. It seems, therefore, that a considerable portion of this sum must come from sources outside the school, and until some provision of this kind shall be made, it will be useless to expect answers to such questions as 2. and "*a.*" in organic chemistry and "*e.*" and "*g.*" in inorganic chemistry. Appendix B. CAPTAIN DONNELLY'S REPORT.

In view of the great importance of analytical chemistry, it is greatly to be desired that a first class in the advanced stage should only be attainable by those who exhibit such a knowledge of qualitative analysis and of practical chemistry as will enable them to answer questions like those just alluded to; but the cost of imparting such instruction makes me hesitate to recommend such a regulation.

I have, &c.
(Signed) E. FRANKLAND.

SUBJECT XII.—GEOLOGY.

SIR,

I SENT in my papers in geology yesterday. None of those who went in for honours have passed. With regard to the elementary scholars, and in some degree also with the advanced scholars, I think there is a considerable improvement when compared with previous years. I attribute this to the great detail given in my syllabus, showing the subjects that the teachers ought to teach. Mr. Ramsay.

In some cases the scholars evidently learned answers by heart. When I was able to discover this I always deducted something from the value of the answers. One of the answers so learned, is taken from Page's Handbook of Geological Terms, and relates to question 1, "State briefly what geology teaches."

In another case, in the numbers ranging between 16,695 and 16,760 several of the answers in many of the papers were given in precisely the same words, or so nearly that they read as if the answers had been dictated.

This is a serious matter, and I do not say it was so, but under ordinary circumstances I should be inclined to draw that inference. They may, however, have been learned by heart from some source which I cannot discover.

Many of the answers are badly written, badly spelt, and very ungrammatical. A large proportion, for example, do not know that *strata* is the plural of *stratum*.

The information given has also, in many cases, been defective. For example, a large number include the Cephalopoda among univalve shells, and have evidently been taught this; and, from many of the answers, one would suppose that most sea shells swim in the sea and sink to the bottom after death, not that they live at the bottom in the sediment, or on the rocks. Another fault in teaching is, that disturbances of strata are almost always attributed to direct volcanic action; whereas over the greater part of the earth, the disturbance of strata is in no way connected with volcanoes or with any visible exertion of igneous force. A very small number of the pupils are able to draw in such a manner as to make their meaning intelligible by help of pen or pencil. I doubt if a large proportion of the teachers are in the habit of explaining their subjects by help of a black board and chalk, and yet I consider this essential to clear teaching in geology. If, in addition to doing this themselves, the teachers encouraged their more advanced pupils to practise the habit, the result would be very beneficial to their progress.

In conclusion, I would recommend that the teachers, who have not already adopted the practice, should procure a well-selected set of specimens of the rocks, erratic boulders, ores, of metal, and, if possible, the common fossils of their own neighbourhoods, and accustom their pupils to handle them and understand their meaning.

I am, &c.
(Signed) AND. C. RAMSAY.

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SUBJECT XIV.—ANIMAL PHYSIOLOGY.

SIR,

Mr. Huxley. In reply to your letter, of the 26th May, I beg leave to report, for the information of the Lords of the Committee of Council on Education, that the number of papers sent up for the examinations in physiology this year is nearly double that of any previous year. At the same time the quality of the answers has not deteriorated; on the contrary, there is a very fair proportion of the papers which are evidently the product of careful teaching and of intelligent and sustained study. It is true that the indications of mere book work are still too often apparent, but I do not know that one has much right, at present, to quarrel with a defect which is almost as obvious in the examination of professional students of physiology.

This is the first year of a special honours examination, and I regret to have to report that of the 11 papers sent up, not one has obtained a place. In fact none of them are so good as some of the papers in the advanced division of the ordinary examination, and I am at a loss to understand what can have led the writers to imagine themselves competent to take honours.

The division into an ordinary and an advanced examination works well but its full benefit will not be obtained until it is compulsory on all who take the latter to have previously passed through the former examination.

The effects of good and bad teaching are as usual strongly marked, whole batches of pupils, whose consecutive numbers show them to belong to the same school, being rejected, while in other cases as large a proportion pass and do well.

Strict injunctions *to answer the first four questions* were printed at the head of every elementary paper in the present examination. In very numerous cases these injunctions were disregarded, and the candidate was rejected accordingly. In a few cases the goodness of the answers which were given led me to make an exception to this rule, but the candidates were placed in the third class. Hereafter I propose to enforce the rule rigidly.

A number of teachers have sent up for examination, on this as on former occasions, candidates (whom I take to be mere children) who can neither write, spell, nor put ten words together grammatically, and who repeat the scientific phrases which they have learned in a manner which shows that they do not understand them. As abundant plucking does not seem to check this reprehensible practice effectually, I propose hereafter to report the numbers of the papers which furnish glaring examples of it.

I observe a great tendency on the part of some teachers to lead their pupils to put their answers in a brief tabular form. It may be well for me to state that I look upon this shape of an answer as clear evidence of cramming on the part of the teacher, and learning by heart on that of the pupil, and give marks accordingly.

I am, &c.
(Signed) T. H. HUXLEY.

SUBJECTS XVI. AND XVII.—VEGETABLE ANATOMY AND PHYSIOLOGY AND SYSTEMATIC AND ECONOMIC BOTANY.

Dr. Thomson. The papers on vegetable physiology and on systematic and economic botany are on the whole similar to those of previous years. I think there is a gradual improvement, and I hope the tabular statement of results will show that the proportion of candidates who pass is gradually rising. To some extent, however, this may be due to the new rule under which for this year a larger than usual number of candidates are obliged to take the easy paper.

Many of the honours papers are excellent, and the same may be said of a considerable proportion of the advanced papers.

In the easy paper a very large number of candidates get only the lowest class, and I would suggest that in most of these cases the teachers should give their pupils more precise elementary teaching, with a view to their taking a first class next year in the easy paper, rather than attempt to bring them up to the level of the advanced paper.

I observe that there is a very marked inequality in the proportion of success and failure in different parts of the series of papers. Some teachers evidently

pass a much larger relative number than others, and the conclusion is forced upon me that this depends on the quality of the teaching. Appendix B. CAPTAIN DONNELLY'S REPORT.

There is one very important point to which I wish most earnestly to call the attention of the teachers. Ever since I have been an examiner the number of papers in vegetable physiology has been much greater (in the proportion roughly of about two to one) than in systematic botany. I infer that while all (or nearly all) are taught physiology, a part only are taught systematic botany, and that the two are either taught together, or physiology first and systematic botany later.

Now this is exactly the reverse of what should happen. A sound knowledge of British plants should in every case, and most particularly in the case of elementary science schools, precede the study of physiology, and this knowledge of the British flora should be acquired in the field as much as possible, or at least from living plants, and not in the schoolroom only or from books. A good teacher who knows British plants well can make botany most interesting and attractive. All this can be taught without the pupil knowing any other branch of science, and when it has been acquired it is time enough to proceed to the study of physiology, a branch of science based upon the microscope and on a knowledge of the higher chemistry.

(Signed) THOMAS THOMSON.

SUBJECT XX.—NAVIGATION.

The work of the pupils is very various, and marks a great diversity in the nature of the instruction. The advanced paper is more satisfactorily worked than the elementary paper, with one or two brilliant exceptions. Dr. Woolley.

The failures which have taken place for the most part among pupils having consecutive numbers, and apparently belonging to the same school, are owing entirely to defects in elementary conceptions or proofs. The definitions given were of a very elementary kind, and a very large proportion of the answers betray a lamentable want of accuracy, if not of downright ignorance. The natural phenomenon which determines the earth's axis seems to have escaped the notice of a large number, while many others assume the terms north and south as arbitrary, *e.g.*, defining the earth's axis as a line drawn through the earth's centre from north to south. The other definitions are equally faulty.

In the second question a great confusion of ideas as to the difference between departure and difference of longitude prevails extensively.

The fourth question, which merely asks for definitions of *course*, *distance*, *departure*, and *diff. lat.* in a form perhaps somewhat different from the direct, but which every well instructed pupil would have at once detected, is also badly answered, and often the relations between those elements which form the very basis of plane sailing are incorrectly stated. In the fifth question the fact that *diff. long.* cannot be determined by the formulæ of plane sailing only, seems unknown to many.

The inability of many to give, I will not say a fair account, but any account at all, of the mariner's compass, has caused me much astonishment, a circle divided into 32 points being frequently given as a full answer. What kind of instruction these pupils have received is a mystery. Very generally so elementary a question as naming the number of points between one point of the compass and another, going round in a given direction, is incorrectly answered.

I have been driven to the supposition that in the schools where these errors prevail comparatively little, if any, time has been bestowed on principles, but almost exclusively on the empirical application of rules and formulæ imperfectly if at all comprehended.

In the advanced papers, questions *a.* and *b.* have been answered by pupils of some schools in a manner which gives reason to doubt whether they are fully comprehended; sometimes a diagram, which is in some books adopted as a convenient mode of representing the relation of difference of longitude to departure, is given as a proof. The formula showing this relation is sometimes proved by a projection on the earth's equator, to which no exception can be taken if a satisfactory account of the lines representing the projection be

Appendix B.

CAPTAIN DONNELLY'S REPORT.

given; but for the most part this is imperfectly given, and the mathematical formula at once deduced.

A mistake has almost universally been made in correcting the departure course in "h" by omitting the deviation, although the direction of the ship's head is given, the same as that for the first course the deviation for which is given. With this exception this question is generally answered correctly.

The worst set of papers (elementary) are those from No. 13,844—13,863 inclusively, only four out of the 20 pupils in this set showing the most moderate knowledge of the elements. Papers 28,828—28,878 are also poor; also the series numbers 29,491—29,508.

On the other hand the series 14,169—14,171, 14,159, 26,185—26,247, 30,533—30,555 are good.

I am satisfied that a better examination would be generally passed, and a sounder and more accurate knowledge of the subject acquired, if the teachers were to spend more time on inculcating the first principles of the subject, and were less anxious than they evidently now are to set their pupils to work on examples before they well know the meaning of the methods or formulæ they apply.

(Signed) J. WOOLLEY.

SUBJECT XXI.—NAUTICAL ASTRONOMY.

The failures are few. The greater part of the candidates have acquired a fair knowledge of the subject, so far at least as to be able to correct altitudes and solve questions in the easier rules. They also show a tolerable acquaintance with the principles.

A great confusion in the definitions is manifested by a considerable proportion, and even among the candidates who have evidently been carefully taught, there is seldom a *perfect* freedom from inaccuracy.

I may instance the set of papers, from 26,284 to 26,341 inclusive, which are generally very creditable. I have been surprised that while the answering is for the most part good, very few have escaped the error of referring right ascension to the ecliptic instead of to the equinoctial.

Some of the candidates (from other schools) fairly confess that they never saw a sextant, and are quite unacquainted with it. Instead of describing the *principle* of this instrument, the greater part of those who have attempted the question upon it are contented with a description of it, and the prevailing notions on the meaning of index-error and the mode of ascertaining its amount, are vague and unsatisfactory.

(Signed) J. WOOLLEY.

SUBJECT XXII.—STEAM.

Mr. Goodeve.

SIR,

I HAVE to report that the general result of the examination in steam was satisfactory, and that in several papers a high degree of excellence was attained.

I desire to point out that in describing machinery, or parts of mechanism, it is absolutely essential that the student should learn to make clear sectional sketches of the apparatus or moving parts. With practice, it soon becomes easy to produce a sketch, which, with a few words of description thoughtfully prepared, will make the contrivance or arrangement perfectly clear and intelligible.

I have also to point out the importance of studying the fundamental laws of heat, and of endeavouring to obtain a clear conception of the mechanical theory of heat in relation to its applications in the practical working of the steam engine.

I am, &c.

(Signed) T. M. GOODEVE.

SUBJECT XXIII.—PHYSICAL GEOGRAPHY.

SIR,

I HAVE the honour to report as follows, in reference to the recent examination in physical geography :—

Mr. Ansted.

The method adopted of having two papers appears to me to have worked extremely well. With few exceptions the advanced paper has not been attempted by any who had not some reason for doing so; whereas on the last occasion in 1868 a large proportion of those only very slightly instructed attempted the difficult questions.

The results of improved instruction were very evident, especially in the easy paper. The effects of careless, inaccurate, and unintelligent teaching were also exceedingly clear, and may be traced by running the eye over number of marks obtained by different schools. The instances in which the pupil answered by rote were, I think, less numerous and less glaring than in former years. On the whole I have no hesitation in reporting that there is a marked improvement in the elementary papers; but that the answers were still in too many cases imperfect and unsatisfactory, because the pupil has not taken care to understand clearly the drift of the question he has attempted, but has satisfied himself with giving a reply to some similar question he has been accustomed to have put to him.

In the answers to the advanced paper I have observed the same want of accurate perception of the question. If it is not set in the very words of some recognized text-book there is too often an incomplete though not incorrect reply. Those who come up for honours, and those who attempt the second paper, should clearly understand that no amount of information on parts of the subject about which a question is not asked are capable of improving a place or adding even a single mark.

On the whole, however, and especially in the case of those who have obtained a first class in the advanced paper, I have observed hardly any instances of mere cram, and none in which there was not proof of intelligence as well as industry.

The honour paper was not attempted by a large number, and of these a considerable proportion failed. With regard to this paper also, I should have been better pleased to have seen more proof of original investigation, and an attempt to do more than reproduce what may be found in books. It should be understood that the examination will in future be rather more, than less, rigid in the honours paper, and that nothing short of a thoroughly sound knowledge of principles can ensure a place.

I regret to have to point out that in the case of certain groups of papers the spelling was so exceedingly bad as to render it almost impossible that the pupil could have understood anything of the subject he undertook to write upon.

I submit the consideration of this to your judgment, but venture to express a doubt whether such students should be allowed to compete. I think, however, that in this respect there is an improvement upon the year 1868.

I have &c.

(Signed) D. T. ANSTED.

14. List of Science Schools in existence on the 1st March 1870, giving the Number of Students returned as under Instruction in May 1868 and May 1869, and the Number of Prizes and Medals obtained in May 1868 and May 1869.

Schools established since May 1869 are printed in italics.

Town.	Where held.	Chairman.	Secretary.	Teacher.	Number of Individuals under Instruction.		Increase.	Decrease.	Number of Prizes.		Number of Medals.		Fees paid by Students.
					1868.	1869.			1868.	1869.	1868.	1869.	
ENGLAND.													
Abingdon	Brit. Sch.	Harper, Rev. E. T. H.	Davis, J. G.	Gubb, E. J. Gubb, A. Butler, E. Payne, F. W.	46	62	16	..	14	1	..	..	2s. 6d. ea. subject.
Accrington	Mech. Inst.	Hargreaves, B.	Ratcliffe, W.	Brown, T. Edwards, S.	29	39	10	..	18	5	..	..	2s. 6d.
Accrington	*Christ Ch. Nat. Sch.*	*Hargreaves, B.*	*Ratcliffe, W.*	*Bogle, J.*	..	..	..	..	..	..	..	..	*2s.*
„	*25, Bridge St.*	„	„	*Eltoft, T.*	..	..	..	..	..	..	..	..	*3s.*
Alderley Edge (Manchester)	Reading Room	Consterdine, Rev. J. W.	Railton, G. W.	Dale, J. Dawson, C. J.	18	16	..	2	6	1	..	..	2s. per qr.
Almondbury (Huddersfield)	Gram. Sch.	Hulbert, Rev. C. A.	Dyson, E.	Easther, Rev, A. Jarmain, G	26	25	..	1	2	..	.	..	12l.10s.per annum.
Alnwick	Mech. Inst.	Trotter, Rev. E. B.	Robertson, A.	Muxlow, T.	28	38	10	..	..	1	..	..	2s. 6d.
Andover	Gram. Sch.	Clarke, T. P.	Footner, R.	Marriott, J. T.	39	31	..	8	6	..	..	..	2s. 6d.
Armley (Leeds)	*Nat. Sch.*	*Smith, Rev. F. G.*	*Goodall, Rev. W.*	*Brears, W.*	..	..	..	..	..	..	..	..	Nil.
Ashby-de-la-Zouch	Mut. Imp. Soc.	Green, Rev. T. S.	Dalby, J.	Gibson, G. H.	19	27	8	..	8	..	..	..	2s. 6d. to 5s.
Ashton-under-Lyne	Mech. Inst.	Mason, H.	Andrew, J.	Jones, T.	29	25	..	4	12	1	..	..	1s. per qr. each subj.
„ „	Hurst Mech. Inst.	Whittaker, R.	Pleasants, J.	Stott, H., son.	..	12	12	..	..	4	..	..	2s.
Ashton-under-Lyne	*St. Michael's Y. Men's Class*	*Moss, J.*	*Buckley, E.*	*Booth, I.* *Cooke, J. B.*	..	..	..	..	..	..	..	..	*1s.* each subject.
„ „	*Dukinfield Village Library and Old Chapel Schs.*	*Marshall, W.*	*Broadrick, E. B.*	*Robinson, E.* *Jones, T.*	..	..	..	..	..	..	..	..	2s. to 3s.
Backworth (Northumberland)	*Old Chapel*	*Richardson, H.*	*Hunter, J.*	*Rowden, W. T.* *Kernick, R.* *McDougall, T.*	..	..	..	..	..	..	..	..	*5s.*
Bacup	Mech. Inst.	Aitken, J.	Hargreaves, J. H.	Shore, T. W. Sutcliffe, G. W.	42	35	..	7	27	..	..	1 B.	2s. to 2s. 6d.

„ (Lanc.)	Wex. Day Sch.	Carr, Rev. J.	Lord, W. H.	Holland, J.	..	10	10	..	..	7	..	..	1s. 6d. per quarter.
Balham	Wkg. Men's Inst.	Large, Rev. W. A. A.	Loat, J. H.	Jones, T. Brittle, J. R.	..	18	18	..	..	..	..	..	6s.
Banbury	Brit. Sch.	Grimbly, J.	Hewett, G. A.	Beale, J. H. Owen, A.	48	47	..	1	8	..	1 B.	..	2s. 6d. to 5s.
„	Mech. Inst.	Cobb, T. R.	Wilson, A.	French, A.	..	13	13	..	..	1	..	..	2s. 6d. & 5s.
Bangor	*Normal College*	*Hughes, W. B., M.P.*	*Jones, G.*	*Thomas, J.*	..	..	..	..	..	..	..	..	Nil.
Banstead (Surrey)	Nat. Sch.	Glyn, Hon. P. C.	Buckle, Rev. E. V.	Knibbs, H.	..	33	33	..	..	1	..	..	2s. per subject.
Barnard Castle	Mech. Inst.	Brown, Rev. F.	Monkhouse, J.	Witter, J. A. Bailey, G. H.	..	10	10	..	..	..	..	..	2s. per mo. each subj.
Barnsley	„	Allen, T.	Gration, J.	Brears, W.	18	17	..	1	1	1	..	..	2s. 6d.
Barnstaple	Lit. and Sci. Inst.	Guppy, T. W. M. A.	Mackrell, T.	Dunston, J. J. Maunder, S. G.	..	73	73	..	..	..	..	..	5s. 6d. ea. subject.
Bath	*St. Mark's Nat. Sch.*	*Sproule, Rev. J. W.*	*Shaw, Rev. W. S.*	*Nevill, M.*	..	..	..	..	..	..	..	..	2d. per wk.
„	*Weston Boys' Sch.*	*Bond, Rev. J.*	*Stedman, Rev. J.*	*Knight, J.*	..	..	..	..	..	..	..	..	2s.
Batley	Mech. Inst.	Jubb, J.	Hick, W. H.	Osborne, J. Brears, W.	..	8	8	..	..	1	..	..	5s.
Batley	*Indepent. Sch.*	*Rae, Rev. J.*	*Ellerby, R.*	*Brears, W.*	..	..	..	..	..	..	..	..	Nil.
Beccles (Suffolk).	Science Sch.	Crowfoot, W. M. E.	Mayhew, J.	Boyce, H.	..	27	27	..	..	..	..	..	5s.
Bedford	Commercial Sch.	Gray, T. T.	Fry, P. S.	Glover, A. W.	..	21	21	..	..	3	..	..	2s. 6d. to 15s. each subject.
Bedlington	*Colliery Sch.*	*Whitley, Rev. C. T.*	*Fisher, W.*	*Rowden, W. T.* *Kernick, R.* *Wallace, J.*	..	..	..	..	..	..	..	..	5s.
Berkeley (Glos.)	*Ch. of Eng. Sch.*	*Turton, Rev. H. M.*	*Phillips, J. G.*	*Hodgson, J. J.*	..	..	..	..	..	..	..	..	2s. 6d.
Binsley (Leeds)	Mech. Inst.	Irwine, Rev. A. P.	Holgate, R.	Severs, G.	17	19	2	..	3	1	..	..	Nil.
Birkenhead „	Laird St. Hamilton St.	Taylor, J.	Hinde, W. E.	Bentley, J. Nicol, J. C.	..	30	30	..	..	3	..	..	6s. to 10s. 6d.
Birmingham	B. and Mid. Inst.	Kenrick, W.	Smith, E.	Woodward, C. J. Hinds, W. Hinds, J. Bulpitt, W. T. Causer, W. G.	152	230	78	..	49	22	1 B.	..	1d. a night to 14s. per term.
„	Sch. of Art	Cope, C. R.	Landy, E.	Raimbach, D. W. Causer, W. G.	75	77	2	..	33	13	1 B.	..	65l. 3s. 6d. total amt.
„	Bloomsbury Inst.	Milward, Rev. H. C.	Aston, J.	Smith, D. Smith, A. F. Walton, W.	80	104	24	..	26	8	..	..	2s. to 9s.
„	Clarendon Chambs.	Manton, H.	Southall, A.	Smith, D. Turner, J. Davis, J.	11	30	19	..	8	4	..	..	2s. to 3s.
„	Deritend W. M. Assoc.	Solomon, H.	Greening, W. H.	Bagley, T. Roberts, A. Bridge, T. W.	..	23	23	..	..	..	..	..	Nil.

List of Science Schools, giving the Number of Students, &c.—*continued.*

Town.	Where held.	Chairman.	Secretary.	Teacher.	Number of Individuals under Instruction.		Increase.	Decrease.	Number of Prizes.		Number of Medals.		Fees paid by Students.
					1868.	1869.			1868.	1869.	1868.	1869.	
Birmingham	Graham St. Inst.	Vince, Rev. C.	Plane J.	Lancaster, W. J. Jennings, J. M.	..	24	24	..	..	2	..	..	1*s.* 6*d.*
„	Bishop Ryder's Sch.	Yorke, Hon. and Rev. G. M.	Burges, Rev. J. H.	Paterson, C. Thorneloe, T. Shirley, J.	..	40	40	..	..	..	..	..	4*d.* per wk.
„	Middle Class Sch.	Rolason, W.	Payton, H.	Causer, W. G. Smith, G.	..	19	19	..	..	2	..	..	Nil.
„	Ch. of the Sav. Sch.	Myers, Rev. E.	Hemming, W. H.	Embrey, G.	..	20	20	..	..	..	..	..	1*s.* per qr. each subj.
„	St. George's	Thornton, Rev. S.	Smith, G.	Bulpitt, W. T.	..	58	58	..	..	6	..	1 S.	1*s.*
„	New Jerusm. Sch.	Tonks, S.	Osborne, J.	Jones, G. F.	..	7	7	..	..	..	..	..	Nil.
„	St. Mark's Sch.	Thwaites, Rev. H. G.	White, W.	Buckley, H. C. Robins, H. St. J.	..	59	59	..	..	..	..	..	1*s.* 6*d.* ea. subject.
„	St. Mary's, Bath St.	Barrett, Rev. J. C.	Edwards, J. R.	Bulpitt, W. Betton, A.	..	16	16	..	..	..	..	..	1*s.*
„	St. Clement's Sch.	Milward, Rev. H. C.	Eden, W.	Bulpitt, W. T. Hayfield, W.	..	20	20	..	..	5	..	..	1*s.*
„	St. Paul's Sch.	Burgess, Rev. R. B.	Langford, J. A.	Embrey, G. Bulpitt, W. T. Betton, A. Roberts, T.	..	66	66	..	..	..	..	..	Nil.
Birmingham	*Steel House Lane Sch.*	*Manton, H.*	*Manton, H., jun.*	*Walton, W.*	..	..	..	..	..	..	..	..	6*d.* per qr.
„	*St. Matthias Sch.*	*Breay, Rev. H. T.*	*Jacombs, W. H.*	*Bulpitt, W. T.*	..	..	..	..	..	..	..	..	1*s.*
„	*Blue Coat Sch.*	*Pettitt, Rev. G.*	*Price, H.*	*Dunn, G. S.*	..	..	..	..	..	..	..	..	Nil.
„	*Mut. Imp. Soc.*	*Hinks, J.*	*Langford, J. A.*	*Embrey, G.* *Roberts, T.*	..	..	..	..	..	..	..	..	Nil.
„	*Wes. Sch., Hatchett St.*	*Hearnshaw, Rev. J.*	*Bloxham, J.*	*Pilter, W. T.*	..	..	..	..	..	..	..	..	1*s.* 6*d.* per session.
„	*Friends' Bible Assoc. Rooms*	*Sturge, C.*	*Southall, A.*	*Turner, J.*	..	..	..	..	..	..	..	..	1*s.*
„	*Trade Sch., Rocky Lane*	*Manton, H.*	*Austin, W.*	*Walton, W.*	..	..	..	..	..	..	..	..	1*s.* 6*d.* per term.
Birstall (Leeds)	Mech. Inst.	Heald, Rev. W. M.	Priestley, J. W.	Patchett, I.	26	53	27	..	22	2	..	..	1*s.* 6*d.* ea. subject.
Bishop Auckland.	*Wes. Sch.*	*Chambers, Rev. W.*	*Hepton, Rev. T.*	*Marshall, H.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* to 5*s.*
Bishop Stortford.	*Lit. Inst.*	*Starling, G. A.*	*Blunt, Rev. A. H.*	*Morgan, J. H.*	..	..	..	..	..	..	..	..	6*s.* to 7*s.*

Blackburn	*Wes. Sch.*	Woodhouse, Rev. C. W.	Parkinson, G.	Isherwood, T.	9	35	26	..	4	8	..	..	2s. 6d.
"	Ch. Inst.	"	Elwell, Rev. H.	Sayle, J.	..	6	6	..	..	..	..	..	2s. 6d. ea. subject.
Blackburn	*Town Hall*	*Woodhouse, Rev. C. W.*	*Parkinson, G.*	*Hurst, W.*	..	..	..	..	..	..	..	..	2s. ea. sub.
Blackley (Manchester).	Assembly-room	Langton, W.	Schofield, J.	Hurst, W.	..	31	31	..	..	2	..	..	Tot. amt. 72s.
Blyth (Northumberland).	Nat. Sch.	Greenwell, Rev. W.	Rees, W.	Rowden, W. T. Kernick, R. Wallace, J.	..	46	46	..	..	6	..	..	5s.
Bodmin	Lit. Inst.	Stokes, H. S.	Phillipps, J.	Downing, S.	31	69	38	..	16	1	..	..	1s. to 3s. 6d.
Bolton	Sci. and Art Sch.	Powell, Rev. H.	Doman, Rev. J. G.	Collins, J. Spriggs, C.	193	161	..	33	37	5	..	..	1s. to 2s. each sub.
"	Mech. Inst.	Barlow, J.	Dakeyne, J.	Spriggs, C. Goulding, E.	67	64	..	3	16	4	1 B	..	1s. 6d. per quarter.
"	Dean Mills B. Sch.	Callender, W. R.	Maycock, W.	Spriggs, C.	..	20	20	..	..	1	..	..	3s.
Bolton	*Unitarian Day Sch.*	*Harwood, J.*	*Rigby, T.*	*Andrews, H.*	..	..	..	..	..	..	..	..	2s. 6d. ea. subject.
Boston	Sci. and Art Sch.	Blenkin, Rev. G. B.	Lowe, Rev. G. W.	Howard, V. Gane, W.	..	18 25	18 25	..	..	4	..	..	1s. and 2s. per mo. each sub.
"	Nat. Sch.	" "	Gandy, J.		..	..	..	..	..	..	..	..	1s. to 2s.
Bow	Nat. Sch. (Schoolroom, Old Ford Road)	Schnadhorst, E.	Smith, E.	Saunders, J. Duff, C.	..	20	20	..	..	6	..	..	6s.
Bradford	Mech. Inst.	Law, J.	Holbrey, J.	Severs, G.	..	10	10	..	..	3	..	..	1s. to mem.
Bradford	*Schoolmasters' Ch.*	*West, E.*	*Hiall, L. C.*	*Jarmain, G.*	..	..	..	..	..	..	..	..	10s. 6d.
"	*Wes. Sch.*	*Walker, Rev. S.*	*Ives, J.*	*Stugden, W.*	..	..	..	..	..	..	..	..	4s. 6d.
"	*Hallfield Sch.*	*Hick, J.*	*Claxton, E. A.*	*Watson, M.* *Monkman, J.*	..	..	..	..	..	..	..	..	2s. per qr.
Bramley (Leeds)	*Grove House*	*Gott, Rev. J.*	*Scrimgeour, Rev. D. W.*	*Ramsay, E. J.* *Cope, Rev. S. W.*	..	..	..	..	..	..	..	..	5s.
Bryanston (Cornwall).	Institution	Pridmore, Rev. E. M.	Argall, W.	Kitto, B. Endey, J.	23	52	29	..	17	2	2 B.	..	2s. 6d. to 5s.
"	Germoe, N. S.												
Bradbury (Stockport).	*St. Mark's N. S.*	*Vaudry, W. C.*	*Hartley, T.*	*Lea, J.*	..	..	..	..	..	..	..	..	2s. 6d.
Bridport	*Lit. and Sci. Inst.*	*Montagu, J. P.*	*Chowne, Rev. J. H.*	*Campbell, J. A. D.*	..	..	..	..	..	..	..	..	10s. to 20s. per ann.
Brigstock (Northants).	Farming Woods Sch.	Attenborough, J.	Bra'shaw, W. P.	Garner, S.	..	53	53	..	..	2	..	..	2s. 6d. ea. subject.
Brington (Northamp.)	*Nat. Sch.*	*Wykes, J.*	*Ponsonby, Rev. F. J.*	*Seal, C.*	..	..	..	..	..	..	..	..	1d. per wk.
Bristol	Trade Sch.	Moseley, Rev. Canon	Wilkson, J.	Coomber, T. Plant, E. C. Welsh, J. Richards, W. Morgans, W. Leipner, A.	145	200	55	..	106	94	1 G., 1 B.	1 G. 1 S. 2 B.	3s. to 15s. per qr.

List of Science Schools, giving the Number of Students, &c.—*continued.*

Town.	Where held.	Chairman.	Secretary.	Teacher.	Number of Individuals under Instruction.		Increase.	Decrease.	Number of Prizes.		Number of Medals.		Fees paid by Students.
					1868.	1869.			1868.	1869.	1868.	1869.	
Bristol	Young Men's Christ. Assoc.	Cornall, Rev. R.	Williams, W. H.	Ewens, F. T.	..	17	17	..	..	4	..	..	2s. 6d. and 10s. 6d.
Bristol	*North St. Wes. Sch.*	*Clapham, Rev. J.*	*Budgett, W. H.*	*Mawbey, H.*	..	..	..	..	..	..	..	..	2s. 6d.
Brixham (Devon).	*Brit. Sch.*	*Lakeman, T.*	*Putt, R.*	*Trotter, G. O.*	..	..	..	..	..	..	..	..	2s.
Bromsgrove	Lit. and Mech. Inst.	Murray, Rev. G. W.	Gibson, G. W.	Dodd, W.	26	66	40	..	7	..	..	..	2s. 6d.
Burnley	Lit. Inst.	Parker, Rev. A. T.	Briggs, B. W.	Shore, T. W. Pickup, W. Bell, T.	58	47	..	11	14	5	..	..	2s. 6d. to 4s. 6d.
„	Mech. Inst.	Shuttleworth, Sir J. P. K.	Sutherland, J.	Shore, T. W. Thompson, J.	48	77	29	..	12	4	..	..	2s. 6d. to 3s. 6d. Grm. Sch.
„	Gram. Sch.	„	„	Wilkinson, T. T. Shore, T. W.	40	40	..	..					1s. per 12 lessons.
Burnley	*St. Peter's Sch.*	*Shuttleworth, Sir J. P. K.*	*Sutherland, J.*	*Shore, T. W.*	..	..	..	..					
Burnley	Carlton Road Sch.	Harrison, R.	Graham, J.	Grant, J.	61	59	..	2	6	..	..	..	1s. per qr. each sub.
Burslem	*Sch. of Sci. and Art*	*Davenport, H. T.*	*Woodall, W.*	*Theaker, G.*	..	..	..	..	..	..	..	..	2s. per mo. each sub.
Bury (Lanc.).	Athenæum	Wormald, J.	Probert, T. W.	Spriggs, C.	79	77	..	2	25	10	..	..	2s. per qr.
Caistor	Lower Gram. Sch.	Maclean, Rev. H.	Mowbray, Rev. J. H. M. de	Thomas, R.	..	13	13	..	..	..	..	..	2s. 6d. ea. subject.
Calverley (Leeds).	*Mech. Inst.*	*Yewdall, D.*	*Kellett, J. jun.*	*Harrison, J.*	..	..	..	..	..	..	..	..	Nil.
Camborne	Lit. Inst.	Smith, W. B.	Butlin, C. H.	Provis, T. B. Collins, J. H.	24	12	..	12	5	..	..	..	2s. 6d. to 10s.
Canning Town (Essex)	Holy Trinity Sch.	Delap, Rev. A. B.	Peacock, W. H.	Shipman, C. Downar, W. A.	12	34	22	..	5	6	..	..	5s.
Cardiff	Free Library	Taylor, W.	Price, P.	Bush, J. Bush, W.	63	91	28	..	27	10	..	..	5s. per qr.
Carharrack (Cornwall).	Lit. Inst.	Tucker, J. B.	Green, R.	Collins, J. H.	..	20	20	..	..	..	..	..	Nil.
Carmarthen	*Trg. Coll.*	*Jones, Rev. L. M.*	*Jenkins, Rev. R. B.*	*Morris, Rev. R. H.* *Marshall, Rev. F.*	..	..	..	..	..	..	..	..	Not yet fixed.
Charlesworth (Derbyshire).	*Mech. Inst.*	*Shipley, D.*	*Cooper, M.*	*Booth, S.*	..	..	..	..	..	..	..	..	2s.
Charlton, New (Kent).	*Math. Inst. Wks., Woolwich Road.*	*Balgarnie, Rev. R.*	*Scott, W.*	*Hepburn, R.*	..	..	..	..	..	..	..	..	6s.

Chatham -	*St. Mary's Nat. Sch.*	*Stephens, Rev. H. B.*	Wilkins, T. -	Byatt, H. - - Sanguinetta, P. A. Laskey, J. J. -	40	57	17	..	26	6	..	..	7*s.* 6*d.*
„ - -	St. Mark's - -	Neville, H. J. W. -	Bridger, J. -	Byatt, H. - - Brazier, C. - -	27	37	10	..	19	10	..	1 G.	7*s.* 6*d.*
Cheltenham - „ - „ -	Sch. of Sci. - Trg. Coll. - - Brit. Sch. - -	Skillicorn, W. N. -	Philipps, J. S. -	Ewens, E. - - Brereton, E. W. - James, H. A. - Bromilcau, M. -	212	64	..	148	32	5	1 G.	..	2*s.*
„ -	Whitworth Sch. -	Ford St. C. - -	Dixon, R. J. -	Davis, W. S. - - Jeffery, W. - - Davis, T. H. - -	..	266	266	..	..	14	..	1 B.	2*s.* 6*d.* to 10*s.* 6*d.* per quarter.
Chester - -	Sch. of Art - -	Howson, Very Rev. J. S.	Deacle, Rev. E. L. Y. -	Craister, W. - -	30	45	15	..	8	5	..	..	2*s.* per mo. 2*s.* 6*d.* the course.
Chesterfield -	*Nat. Sch.* - -	*Carrington, T.* -	*Booth, G.* - -	*Francis, E.* - -	..	..	..	..	..	..	..	..	5*s.* ea. sub.
Chorley -	St. George's Nat. Sch.	Barton, R. H. - -	Stock, Rev. J. -	Brown, T. - -	20	15	..	5	7	3	..	..	3*s.*
Church (Accrington) -	Nat. Sch. - -	Birchall, Rev. J. -	McKenzie, T. S.	Sutcliffe, G. - - Boyd, P. - -	..	57	57	..	..	2	..	..	2*s.* to 3*s.* per sess.
Cirencester -	*Sch. of Art* - -	*Millar, Rev. J. O.* -	*Zachary, H.* -	*Miller, J.* - -	..	..	..	..	..	..	..	..	10*s.*
Clay Cross -	*Public Hall* - -	*Binns, C.* - -	*Halliday, T.* -	*Francis, E.* - -	..	..	..	..	..	..	..	..	5*s.*
Coalbrookdale	Lit. and Sci. Inst. -	Dickinson, H. - -	Squire, E. L. -	Woolner, H. - -	..	25	25	..	..	..	..	..	4*s.*
Colne - -	Gram. Sch. - -	England, T. T. -	Phillips, T. -	Bell, T. - - -	..	30	30	..	..	4	..	..	5*s.*
Compstall (Stockport)	Athenæum - -	Andrew, G. - -	Fernley, J. -	Parnell, G. - - Bradshaw, G. -	27	26	..	1	20	8	..	..	2*l.* 14*s.*
Cottesmore -	*Nat. Sch.* - -	*Stuart, Rev. A. G.* -	*Miles, Rev. S.* -	*Cattell, T.* - -	..	..	..	..	..	..	..	..	2*s.* 6*d.* ea. subject.
Coventry -	St. Peter's N. S. -	Odell, J. - - -	Tabberer, Rev. G.	Bates, J. - - -	..	30	30	..	..	..	..	..	1*s.* per qr.
Crawshawbooth	*Mech. Inst.* - -	*Brooks, T.* - -	*Taylor, J.* - -	*Sutcliffe, G. W.* -	..	..	..	..	..	..	..	..	2*s.* 6*d.* to 5*s.*
Crewe - -	Mech. Inst. - -	Ramsbottom, J. -	Jackson, J. A. -	Craister, W. - -	44	31	..	13	20	9	..	..	2*s.* per mo. or 2*s.* 6*d.* the sess.
Croydon - -	Lit. and Sci. Inst. -	Carpenter, A. - -	Lanchester, H. T.	Childs, T. - - Jones, T. - -	32	17	..	15	13	..	..	..	5*s.*
Croydon -	*St. Andrew's N. S.* -	*Long, Rev. D.* - -	*Smith P.* - -	*Busbridge J.* - -	..	..	..	..	..	..	..	..	5*s.*
Culham (Oxfordshire) -	Trg. Coll. - -	Pott, Rev. A. - -	Causton, Rev. F. J. - -	Ridgway, Rev. J. Herbert, Rev. A. - House, J. - -	27	23	..	4	3	5	..	..	Nil.
Dartmouth -	Nat. Sch. - -	Newman, A. - -	Rees, W. H. -	Hamlyn, E. - -	26	39	13	..	6	..	..	..	4*s.* ea. subj.
Darwen - -	Mech. Inst. - -	Blamire, Rev. W. H.	Neville, E. -	Hurst, W. - -	14	9	..	5	3	..	..	..	2*s.* 6*d.* ea. subject.
Daventry (Northants).	Gram. Sch. - -	Collyns, Rev. P. M.	Marriott, T. H. -	Rigby, J. - -	..	16	16	..	..	1	..	..	6*d.* per mo.
Deptford -	St. Paul's Sch. -	Lewes, S. S. - -	Marchant, T. W.	Busbridge, W. - Hopper, T. - - Ellercamp, H. - Cleminson, J. -	21	85	64	..	27	17	..	..	5*s.*

List of Science Schools, giving the Number of Students, &c.—*continued.*

Town.	Where held.	Chairman.	Secretary.	Teacher.	Number of Individuals under Instruction.		Increase.	Decrease.	Number of Prizes.		Number of Medals.		Fees paid by Students.
					1868.	1869.			1868.	1869.	1868.	1869.	
Deptford	*Mission Hall*	*Money, Rev. C. F. S.*	*Earland, T.*	*Mondy, E. F.*	..	..	..	..	..	..	..	..	9*s.*
„	*St. John's Sch.*			*Farncomb, E.*									
Derby	Gram. Sch	Evans, T. W.	Goode, H.	Greaves, C. A.	12	10	..	2	..	..	..	..	Nil.
Devonport	Mech. Inst.	Rolston, J.	Chapple, S.	Balkwill, F. P.	..	8	8	..	..	..	..	..	5*s.*
Devonport	14, *St. Aubyn Street*	*Groaves, Rev. H. A.*	*Cuddeford, T.*	*Evers, H.*	..	..	..	..	..	..	..	..	5*s.*
Dewsbury	Mech. Inst.	Day, E.	Warburton, J.	Shaw, J.	17	17	..	..	1	1	..	..	2*s.* 6*d.* to 5*s.*
				Nettleton, W.									
				Tinker, H.									
Dewsbury	*Wes. Lit. Soc.*	*Rawsthorne, J. J.*	*Thompson, W. R.*	*Osborne, J.*	..	..	..	..	..	1	..	..	5*s.*
Doncaster	Guildhall	Pigon, Rev. F.	Taylor, A.	Constable, J.	..	24	24	..	..	2	..	..	2*s.* 6*d.* per quarter.
		Hatfield, C. W.											
Doncaster	*G. N. R. Sch.*	*Campion, Rev. J.*	*Kyle, Rev. J.*	*Branston, Z. H.*	..	..	..	..	..	..	..	..	2*s.* 6*d.*
Droitwich	*Nat. Sch., Holloway*	*Topham, Rev. J.*	*Lea, Rev. W.*	*Jeacock, J. S.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* ea. subject.
Droylsden	Educ. Inst.	Hadwen, J.	Hadfield, J.	Hurst, W.	58	49	..	9	23	13	..	..	2*s.* each subject.
				Kay, W.									
				Riley J.									
				Baguley, M.									
Dudley	Mech. Inst.	Gibson, Rev. M.	Hollier, E.	Causer, W. G.	..	69	69	..	..	1	..	..	9*s.* to 10*s.* ea. subj.
				Marshall, W. W.									
„	Blue-coat Sch.	Wainwright, H. M.	Brettell, T.	Williams, J.	..	50	50	..	..	..	..	..	2*d.* per week, 10*s.* to course.
Dudley	*Netherton Sch.*	*Slade, Rev. J. J.*	*Taylor, Rev. G. J.*	*Green, F.*	..	..	..	..	..	..	..	..	2*s.* ea. subj.
Dunstable	*Ashton Schs.*	*Burges, S.*	*Howell, F.*	*Hatt, F.*	..	..	..	..	..	..	..	..	1*s.*
Durham	Trg. College	- - - - -	Earle, W. E.	Powley, W.	..	..	..	..	..	..	..	..	Nil.
				Howard, C. C.									
Eagley	Institute	Greg, A.	Marson, G.	Pinnington, W.	31	20	..	11	5	..	..	..	2*s.* ea. class
Earlestown	Infant Sch.	Whitley, Rev. J.	Shaw, C.	Stott, H.	17	24	7	..	5	10	..	..	2*s.* 6*d.*
				Burchall, C.									
Earlestown (Newton-le-Willows)	*L. and N.-W. Ry. Works Library*	*Emmett, J. W.*	*Banton, W.*	*Jones, T.*	..	..	..	..	..	..	..	..	1*s.* ea. subj.
Eastington (Glos.)	Nat. Sch.	Peters, Rev. T.	Hooper, C. H.	Wilcox, E.	15	16	1	..	3	2	..	..	1*s.* ea. subj.
Eastwood (Nots.)	Mech. Inst.	Plumptre, Rev. H. W.	Brentnall, A. W.	Fisher, H.	13	9	..	4	6	..	..	..	3*s.* per qr.

Eccleshill (Leeds).	*Mech. Inst.*	*Mercer, Rev. E.*	*Harland, E.*	*Harrison, J.*	..	..	..	..	..	..	..	..	10*s.*
Elland (Halifax)	Nat. Sch.	Sandford, Rev. E.	Kaye, U. Akroyd, B. Tattersall, A. Kershaw, T.		22	43	21	..	11	3	..	1 S.	5*s.*
Elsecar (Barnsley).	*Nat. Sch.*	*Hodges, Rev. W.*	*Naylor, J.*	*Washington, M.*	..	..	..	..	..	..	..	..	2*s.* 6*d.*
Erith	Nat. Sch.	Smith, Rev. C. J.	Desbois, D. Stanton, G. Byatt, H.		..	..	..	..	..	..	..	..	5*s.* per ann.
Evesham	Deacles Sch.	Bentley, Rev. W. de	Burlingham, R.	Sturgess, W.	..	..	..	..	..	..	..	..	Nil.
Exeter	Albert Mem. Mus.	Head, R. T.	Tucker, J. T.	Perkins, F. P. Sheppard, W. Jerman, J.	32	34	2	..	11	4	..	..	5*s.* to 10*s.*
Failsworth (Manchester)	Mech. Inst.	Wright, R.	Brierley, J.	Stott, H. Stott, H. junr.	8	20	12	..	1	10	..	..	2*s.* 6*d.*
Farnworth	Gram. Sch.	Taylor, Rev. W. H.	Smart, Rev. J.	Spriggs, C. Cartwright, G. P.	..	32	32	..	..	2	..	..	Nil.
"	Halshaw Moor	Barnes, A.	Prestwich, R. H.	Monks, P.	..	20	20	..	..	2	..	..	Nil.
Farnworth (Bolton).	*Wes. Sch.*	*Hindley, J.*	*Totley, Rev. J. D.*	*Faulkner, J.*	..	..	..	..	..	..	..	..	1*s.* per qr.
" "	*St. James' Sch., New Bury*	*Stewart, Rev. C. J.*	*Tony, J.*	*Cooke, S.*	..	..	..	..	..	..	..	..	1*s.* per qr.
Faversham	*Institute*	*Donne, Rev. C. E.*	*Johnston, S. G.*	*Field, W.* *Batterbee, N.*	..	..	..	..	..	..	..	..	Nil.
Finedon (Northants).	*Temperance Hall*	*Dolbein, W. M.*	*Harlock, J.*	*Brooks, W. W.*	..	..	..	..	..	..	..	..	1*s.* 6*d.*
Frampton-on-Severn.	*Nat. Sch.*	*Clifford, H. J.*	*St. John, Rev. F.*	*Smith, P. L.*	..	..	..	..	..	..	..	..	1*s.* 6*d.*
Friezland (Manchester).	Christ Ch. Inst.	Buckley, J. F.	Schofield, G. H.	Kershaw, J.	..	11	11	..	..	..	..	..	5*s.*
Frome	Sch. of Art	Horner, Rev. Preby.	Singer, J. W.	Goepel, J. S.	..	40	40	..	..	..	..	..	2*s.*
Frome	*Blue-coat Sch.*	*Daniel, Rev. A.*	*Daniel, G. A.*	*Brown, W.*	..	..	..	..	..	..	..	..	Nil.
Garforth (Leeds)	*Wkg. Men's Club*	*Whitaker, Rev. G. H.*	*Woodhead, A.*	*Schofield, J.*	..	..	..	..	..	..	..	..	5*s.* and 2*s.* 6*d.* boys
Gateshead	Nat. Sch.	Prest, Ven. Archdea.	Russell, Rev. C. D.	Wheatley, M. J. Brodie, A.	39	101	62	..	13	7	..	..	5*s.* ea. subj.
Gateshead	*Felling Chem. Works*	*Redmayne, J. M.*	*Redmayne, R. R.*	*M'Laren, J.* *Lambton, J. W.*	..	..	..	..	..	..	..	..	5*s.* to 10*s.* 6*d.*
Gee Cross (Hyde).	*Hyde Chapel Sch.*	*Thornely, T.*	*Dowson, Rev. H. E.*	*Taylor, T.*	..	..	..	..	..	..	..	..	1*s.*
Gildersome (Leeds).	*Lit. Inst.*	*Haslam, Rev. J.*	*Richardson, G.*	*Patchett, I.*	..	..	..	..	..	..	..	..	3*s.*
Glossop	*Littlemoor M. I.*	*Atkin, Rev. T.*	*Wood, S.*	*Jones, T.*	..	..	..	..	..	..	..	..	2*s.*
Gloucester	Sci. Sch., 10 Eastgate St.	Washbourn, B.	Fowler, Rev. H.	Jeffery, W. Davis, W. S.	34	19	..	15	..	..	..	..	2*s.* 6*d.* ea. subject.
Gloucester	*Sch. of Art*	*Parry, T. G.*	*Niblett, J. D. T.*	*Kemp, J.*	..	..	..	..	..	..	..	..	6*s.* per qr.

List of Science Schools, giving the Number of Students, &c.—*continued.*

Town.	Where held.	Chairman.	Secretary.	Teacher.	Number of Individuals under Instruction.		Increase.	Decrease.	Number of Prizes.		Number of Medals.		Fees paid by Students.
					1868.	1869.			1868.	1869.	1868.	1869.	
Gomersal (Leeds)	Mech. Inst.	Crowther, W.	Kellett, J.	Patchett, I.	..	19	19	..	..	..	..	..	3*s.* 6*d.* ea. subject.
Gorton	*M. S. and L. R. V. Society*	*Peacock, R.*	*Greenwood, J.*	*Botheras, R.*	..	..	..	..	..	..	..	..	1*d.* per night.
Grantham	Nat. Sch.	Ostler, W.	Maddison, Rev. G.	*Hudson, Rev. R.*; *Cockman, A.*; *Fishenden, R. E.*	..	12	12	..	..	2	..	1 G.	1*s.* to 2*s.* per mo.
Gt. Harwood (Blackburn)	*Nat. Sch.*	*Haslewood, Rev. W. M.*	*Exley W.*	*Loynd, E. B.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* per session.
Gt. Horton (Bradford)	*Wes. Sch.*	*Barley, Rev. D.*	*Ritchie, Rev. J.*	*Martin, W. J.*	..	..	..	..	..	..	..	..	Nil.
Greenwich	St. Mary's Girls' N.S.	Miller, Rev. J. C.	Howarth, W.	Wright, H. E.	20	27	7	..	11	2	..	..	5*s.*
Greenwich	*Mech. Inst., Roy. Hill*	*Purcis, P.*	*Loughborough, J. G.*	*Jones, T.*; *Purnell, W. J.*; *Browne, L.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* to 5*s.*
Guildford	*County Hall*	*Upperton, E. T.*	*Campbell, C. D.*	*Goffin, R. E. H.*	..	..	..	..	..	..	..	..	4*s.* per subj.
Halifax	Wkg. Men's Coll.	Akroyd, E., M.P.	Gibb, G.	Jarmain, G.; Stopford, W. H.	35	52	17	..	7	1	1 G. 1 B.	1 B.	5*s.* per subject.
Halifax	*Mech. Inst.*	*Stansfeld, J.*	*Watson, J.*	*Jarmain, G.*	..	..	..	..	..	..	..	..	10*s.* 6*d.*
„	*Sch. of Art*	„	*Fox, C. J.*	*Stopford, W. H.*; *Holland, T.*	..	..	..	..	..	..	..	..	5*s.* ea. subj.
Hammersmith	*Training Coll.*	*O'Keeffe, Rev. D.*	*Kerckhoffs, J.*	*Graham, Rev. T.*; *Livesey, T.*; *Flannery, T.*; *Ewright, J.*	..	..	..	..	..	..	..	..	Nil.
„	*St. Peter's Sch.*	*Tidcombe, Rev. G. H.*	*Blackmore, C.*	*Kehde, H.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* to 5*s.*
Hampton	Commercial Sch.	Burrow, Rev. J.	Raw, D. B.	Bickerton, A. W.	..	30	30	..	..	2	..	..	2*s.* 6*d.* ea. subject.
Handsworth	*St. Michael's Sch.*	*Anson, Rev. A.*	*Mordaunt, Rev. C.*	*Bulpitt, W. T.*	..	..	..	..	..	..	..	..	1*s.*
Harborne (Birmingham)	*Y. M. Chr. Assoc., High Street*	*Roberts, Rev. E.*	*Collier, J.*	*Price, E. G.*	..	..	..	..	..	..	..	..	1*d.* per lecture.
„	*Smethwick N. S.*	*Simcox, Rev. T. G.*	*Young, Rev. J.*	*Sears, H.*	..	..	..	..	..	..	..	..	1*d.* per nt.
Haslingden	Mech. Inst.	Whittaker, L.	Heap, B.	Shore, T. W.	18	25	7	..	3	1	..	..	2*s.* to 3*s.*
Hayfield (Stockport)	*Birch Vale Inst.*	*Rodd, Rev. F. A.*	*Marsden, J.*	*Hurst, W.*	..	..	..	..	..	..	..	..	2*s.*

Helston	*Gram. Sch.*	Penberthy, P.	Hosking, J. H.	Tyacke, W.	..	20	20	..	..	1	..	..	15*s.* ea. subj.
Hereford	*Blue Sch.*	*Anthony, C.*	*Rudd, Rev. E. S. J.*	*Jeffery, W.*	..	..	..	..	..	..	..	..	6*d.* to 2*s.* 6*d.* per qr.
Hetton (Fence-houses)	Barrington Sch.	Wood, L.	Widowfield, F.	Rowden, W. T. Kernick, R.	..	88	88	..	..	14	..	..	Nil.
Heywood	Mech. Inst.	Fenton, A.	Fairbrother, G.	*Crawshaw, J.* *Duerr, G.*	44	18	..	26	8	2	..	..	2*s.* per qr.
Highgate	*Nat. Sch.*	*Dalton, Rev. C. B.*	*Smith, Rev. R. F.*	*Dronfield, J.*	..	..	..	..	..	..	..	..	4*d.* per wk.
Hingham (Norfolk)	Nat. Sch.	Tallent, J. T.	Hardinge, Rev. J. R.	Wilson, W. E. H.	..	22	22	..	..	..	..	..	1*s.* to 1*s.* 6*d.* per subj.
Holbeck (Leeds)	*Mech. Inst.*	*Ward, Rev. P.*	*Lister, C.*	*Tinker, H.* *Catton, E.*	..	..	..	..	..	..	..	..	3*s.* to 5*s.*
„	*Wes. Day. Sch.*	*Bunting, Rev. W.*	*Ellis, J.*	*Brears, W.*	..	..	..	..	..	..	..	..	Nil.
Holmfirth (Huddersfield)	*Wkg. Men's Club*	*Harpin, J.*	*Lomax, H.*	*Jarmain, G.* *Nettleton, W.* *Frost, J.*	..	..	..	..	..	..	..	..	5*s.*
Hornsey	*Brit. Sch.*	*Bird, H.*	*Maynard, R. B.*	*Leigh, S.*	..	..	..	..	..	..	..	..	1*s.* per mo.
Horwich (Bolton).	*Nat. Sch.*	*Pigot, Rev. H. S.*	*Evans, J.*	*Brown, T.*	..	..	..	..	..	..	..	..	5*s.*
Huddersfield	Mech. Inst.	Marriott, W.	Bate, J.	Jarmain, G. Nettleton, W. Kershaw, T.	23	60	37	..	9	13	..	..	9*s.* to 12*s.*
Huddersfield	*St. Paul's Sch.*	*Snowden, Rev. E.*	*Lawrence, Rev. G. G.*	*Brears, W.*	..	..	..	..	..	..	..	..	1*s.* to 2*s.* 6*d.*
„	*Mech. Inst., Milnsbridge.*	*Armitage, G.*	*Taylor, B.*	*Whiteley, H.*	..	..	..	..	..	..	..	..	2*s.* 6*d.*
Hull	Navigation Sch.	Whitaker, T.	Wilson, E. S.	Scaping, Z.	80	79	..	1	50	7	2 G. 1 S. 1 B.	1 G. 1 S.	Nil.
Hull	*People's Inst.*	*Bryson, J.*	*Raven, G.*	*Tinker, H.* *Read, J.* *Gill, H. S.*	..	..	..	..	..	..	..	..	5*s.* each subject.
„	*Day Street B. S.*	*Statham, Rev. W. M.*	*Stratten, T.*	*Spafford, W. A.*	..	..	..	..	..	..	..	..	4*s.*
Huntingdon	Walden's Sch.	Margetts, Rev. H.	Vesey, Rev. F. G.	Pascoe, J.	16	16	..	..	3	..	..	..	2*s.* 6*d.*
Hyde	Mech. Inst.	Thorneley, T.	Bradley, J.	Parnell, G. Taylor, T.	41	50	9	..	17	..	..	..	1*s.* each subject.
Ipswich	*Town Hall*	*Packard, E.*	*Drummond, H. P.*	*Vick, W.* *Griffiths, W. T.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* per subject.
Jarrow-on-Tyne	*Mech. Hall and Inst.*	*McIntyre, J.*	*Wright, G.*	*Stokoe, R.* *Grice, J.* *Crawford, S.* *Wallbank, J.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* to 5*s.*
Keighley	*Mech. Inst.*	*Holden, I.*	*Smith, S.*	*Stevenson, A.*	..	..	..	..	..	..	..	..	5*s.* ea. subj.
Kendal	Post-office Yd.-room	Whitwell, J., M.P.	Braithwaite, C., jun.	Prosser, W. Brown, J.	..	92	92	..	..	2	..	..	5*s.* to 21*s.*

Appendix B.
SCIENCE SCHOOLS. RESULTS.

List of Science Schools, giving the Number of Students, &c.—*continued.*

Town.	Where held.	Chairman.	Secretary.	Teacher.	Number of Individuals under Instruction. 1868.	Number of Individuals under Instruction. 1869.	Increase.	Decrease.	Number of Prizes. 1868.	Number of Prizes. 1869.	Number of Medals. 1868.	Number of Medals. 1869.	Fees paid by Students.
Kersley (Bolton).	Brit. Sch.	Fletcher, Rev. J.	Gee, S.	Collins, J.	..	14	14	..	..	..	..	..	Nil.
Kettering	North End N. S.	Lindsay, Rev. H.	Eldred, G.	Sturgess, W.	52	53	1	..	23	7	..	..	Nil.
"	Brit. Sch.	Toller, W.	Gotch, H. G.	Brooks, W. W.	..	36	36	..	..	1	..	..	Nil.
Kilburn	St. Mary's Schs.	Kennion, Rev. A.	Willis, W.	Kehde, H.	..	30	30	..	..	6	..	..	2s. 6d. to 5s.
Kinver	Wire Mill	Hodgson, Rev. J.	Bolton, Rev. W. H.	Packer, M. W.	25	18	..	7	5	..	..	..	2s. 6d. to 10s. 6d.
Kirkstall (Leeds).	*St. Stephen's Sch.*	*Tunstall, W.*	*Barrett, Geo.*	*Carr, G. S.*	..	..	..	..	..	..	..	..	10s. 6d.
Lamerton (Tavistock)	*School-room*	*Philpotts, Rev. H. J.*	*Sly, T.*	*Peddle, W. J.*	..	..	..	..	..	..	..	..	2s. 6d. ea. subject.
Lamport (Northants).	Endowed Sch.	Isham, Sir C. E., Bt.	Curtis, W.	Graves, J. J.	..	53	53	..	..	..	..	..	Nil.
Lancaster	Mech. Inst.	Davis, Rev. D.	Gibson, T.	Prosser, W. Gregson, R.	48	80	32	..	9	10	..	..	1s. 3d. to 5s.
"	Sch. of Art	Lee, Rev. F. T.	Storey, W.	Gilbert, H.	..	12	12	..	..	4	..	..	10s. per yr.
Lancaster	*Boys' Nat. Sch.*	*Roper, W.*	*Seward, A.*	*Armstrong, J. N.*	..	..	..	..	..	..	..	..	1s.
Launceston	*Gram. Sch.*	*White, G. G.*	*Clarke, Rev. S. C.*	*Rowe, W.*	..	..	..	..	..	..	..	..	2s. 6d. to 10s.
Leeds	Mech. Inst.	Luccock, J. D.	Dayson, J. O.	Ward, G. Hick, T.	47	96	49	..	25	25	1 B.	2 S. 1 B.	5s. to 21s. per subj.
"	Sch. master's Class No. 1 and 2 *Sch. mistress' Cl.*	Heaton, J. D.	Sales, H. H.	Ison, E. Smith, W. Hick, T.	..	37	37	..	..	5	..	..	10s. per subject.
"	Y. M. Chr. Assoc.	Barran, J.	Smith, W. H.	Jefferson, S. Tiffany, J. B.	..	36	36	..	..	1	..	..	5s. per qr.
"	Wkg. Men's Inst.	Lupton, D.	Lupton, D., jun.	Brears, W.	..	17	17	..	..	1	..	..	2s. per qr.
"	St. Peter's Sch.	Woodford, Rev. J. R.	Wood, Rev. F. J.	Ison, E. Edge, H.	..	27	27	..	..	1	..	..	2s. 6d. to 3s. ea. subj.
Leeds	*Sch. of Art*	*Luccock, J. O.*	*Wardman, H.*	*Puckett, R. C.*	..	..	..	..	..	..	..	..	4s. per qr.
"	*Art and Sci. Inst.*	*Henderson, Rev. W. G.*	*Nussey, G. H.*	*Smith, W.* *Stevenson, A.* *Jarmain, G.* *Tinker, H.*	..	..	..	..	..	..	..	..	5s. to 21s. per subject.
"	*St. Mark's N. S.*	*Kettlewell, Rev. S.*	*Abbott, Rev. J. S.*	*Weaver, G.*	..	..	..	..	..	..	..	..	Nil.

" "	" "	St. Simon's Sch.	Whitby, Rev. T.	Beverley, W. A.	Wright, G.	..	..	..	..	..	..	..	..	..	..	1s.
" "	" "	Hunslet M. I.	Blackburn, E.	Simpson, C.	Jefferson, S.	..	..	..	..	..	..	..	..	..	..	5s. per sess.
Lees	(Manchester)	Ch. Sch.	Higson, J.	Whittaker, Rev. E.	Kershaw, T. Lord, T.	33	35	2	..	11	6	..	..	..	..	7s.
Leicester		St. Martin's Sch.	Vaughan, Rev. D. J.	Bouser, Rev. J. A.	Atkins, E.	53	100	47	..	16	11	..	..	1 B.	..	2s. 6d. to 21s. each subject.
"		St. Margaret's N. S.	Jones, Rev. T.	Portwee, Rev. A.	Padmore, S.	5	57	53	..	..	..	..	..	..	..	2s. 6d.
Leicester		Great Meeting Sch.	Rowlett, W.	Kempson, W.	Hepworth, J.	..	..	..	..	..	..	..	..	..	..	2s. 6d. ea. subject.
"		Belgrave N. S.	Stephens, Rev. R.	Ellis, A.	Foister, J. S.	..	..	..	..	..	..	..	..	..	..	1s. ea. subj.
Leigh (Lanc.)		Pennington Ch. Ch. N. S.	Tunnicliffe, R.	Cronshaw, Rev. C.	Steeple, J.	..	..	..	..	..	..	..	..	..	..	4s.
Leighton Buzzard (Beds.)		W. M. Mut. Imp. Soc.	Harris, T.	Page, W. S.	Lewis, E. W.	22	22	..	..	..	..	..	..	..	..	2s. 6d. to 10s.
Lewes		Sch. of Sci. and Art	Godlee, B.	De Putron, Rev. P.	Fisher, A.	10	10	..	..	..	..	..	..	..	..	2s. per mo.
Limehouse		St. John's N. S.	Carr, Rev. C. H.	Opie, Rev. J. L.	Marché, V. T.	..	..	..	..	..	..	..	..	..	..	1s.
Lincoln		Trg. Coll.	Jarvis, J. K.	Blenkin, Rev. F. B.	Nelson, Rev. H.	45	45	..	..	..	1	..	..	..	..	Nil.
Lincoln		Sch of Art	Ruston, J.	Gibney, Rev. J. S.	Taylor, E. R.	..	..	..	..	..	..	..	..	..	..	2s. 6d. per month.
Lindley	(Huddersfield)	Mech. Inst.	Town, Rev. J. W.	Brook, J. W.	Knowles, M.	..	..	..	..	..	..	..	..	..	..	1d. per wk. to 3s. 6d. course.
"		Nat. Sch.	"	"	"	..	..	..	..	..	..	..	..	..	..	1d. per wk. or 3s. 6d. session.
Listeard		Lit. Inst.	Isaac, J. C.	Jewell, C. W.	Corin, W. J. Rider, A. J.	..	..	..	..	..	..	..	..	..	..	4s. each subject.
Littleborough (Rochdale)		Church Sch.-room	Carter, Rev. T.	Winterborm, Rev. B. T.	Allberry, E.	..	..	..	..	..	..	..	..	..	..	3s.
Liverpool		Sci. Sch. Free Liby.	Lamport, W. J.	Gregson, S. L.	Carter, W. Watt, J. Hayes, J.	60	130	70	..	18	16	..	..	..	..	Total amt. 49l. 5s. 3d.
"		Institute	Holt, P. H.	Shaw, C.	Adair, S. Ewart, E. B. Lander, G. Lewis, J. T.	107	150	43	..	38	34	..	..	1 G. 2 B.	..	3s. per qr. to 10s. 6d. per sess.
Liverpool		Trg. Coll., Mount Pleasant	Stokes, S. N.	Gay, Rev. R. E.	Lomax, Miss McGarvie, Miss	..	..	..	..	..	..	..	..	..	..	Nil.
Llanboidy	(St. Clears).	Nat. Sch.	Powell, W. R. H.	Owen, S.	Duckett, J. B.	..	..	..	..	..	..	..	..	..	..	1s. to 5s.
Llanelly		Copper Wks. Sch.	Nevill, C. W.	Morgan, R.	Jones, J. Rees, W. Jones, A.	78	88	15	..	28	15	..	..	..	..	2s. to 3s. per subject.

List of Science Schools, giving the Number of Students, &c.—*continued.*

Town.	Where held.	Chairman.	Secretary.	Teacher.	Number of Individuals under Instruction.		Increase.	Decrease.	Number of Prizes.		Number of Medals.		Fees paid by Students.
					1868.	1869.			1868.	1869.	1868.	1869.	
Llanelly	*Loughor N. S.*	*Williams, E.*	*Jenkins, Rev. E.*	*Smith, A.*	..	..	..	..	..	..	..	..	2*s.* ea. subj.
London:—													
Battersea	Trg. Coll.	MacCarthy, Rev. J.	Dugard, F.	Faunthorpe, Rev. J. P.; Roberts, G.	80	80	..	..	98	17	1 G. 1 S.	..	1*s.* each subject.
„	Christ Ch. Sch.	„	Forster, Rev. G. W.	Brown, H.	..	56	56	..	..	1	..	..	1*s.*
Battersea	*St. John's N. S.*	*Thompson, Rev. E.*	*Hatcher, W. H.*	*Annis, S.*	..	..	..	..	..	..	..	..	5*s.*
„	*Class Room Wes. Chapel.*	*Kelly, Rev. C. H.*	*Molineux, J.*	*Tyrer, T.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* to 5*s.*
Bayswater	*St. Matthew's P. S.*	*Hunter, Ven. Arch.*	*Lovely, Rev. G.*	*Ricks, G.*	..	..	..	..	..	..	..	..	Nil.
Bermondsey	Christ Ch. Sch.	Martin, Rev. R. M.	Shaw, F.	Child, T.; Jones, T.	22	12	..	10	4	4	..	..	5*s.*
Bethnal Green	Birkbeck School, Cambridge Rd.	Rogers, Rev. W.	Runtz, G.	Pike, R. W.; Bithell, R.; Hughes, W. H.; Heney, J.	106	132	26	..	33	4	..	..	1*s.* to 2*s.* 6*d.* ea. subj.
„	Nat Sch., Church Row	Hansard, Rev. S.	Avenell, W. C.	Simpson, B.; Moss, H.; Lovell, A.; Payne, J.; Angel, H.	115	144	29	..	13	10	..	..	5*s.* adults, 2*s.* boys.
Bethnal Green	*St. James the Less N. S.*	*Moon, Rev. G.*	*Dixon, T.*	*Lowres, J.*	..	..	..	..	..	..	..	..	1*s.* per mo.
„	*Abbey Street Sch.*	*Buxton, E. N.*	*Reeve, T. F.*	*Crouch, W.*	..	..	..	..	..	..	..	..	6*d.* ent. fee.
Blackfriars Road	South London Wkg. Men's Coll.	Huxley, T. H.	Rossiter, W.	Bithell, Dr.; Hulme, F. E.; Mitchell, C. T.; Tyssen, A. D.	..	29	29	..	..	..	..	..	3*s.* 6*d.* to 5*s.* ea. subj.
Borough Rd.	Trg. Coll.	Owen, H.	Bourne, S.	Curtis, J. C.; Smith, A. F.; Barkby, E.; Langton, J.	69	159	90	..	28	25	..	..	Nil.
„	Model Sch.												
Brixton Hill	Wkg. Men's Club	McArthur, W., M.P.	Gibbons, G.	Bradbury, A. A.	9	20	11	..	8	3	..	..	5*s.* ea. subj.
Camberwell	*St. Matthews' Inst.*	*Flindt, Rev. G. K.*	*Baiss, A.*	*Parry, P.*	..	..	..	..	..	..	..	..	7*s.* 6*d.*

Charterhouse	*St. Thomas' Sch.*	*Rodgers, Rev. J.*	*Uridge, W.*	*Parker, J.* *Simpson, B.*	..	..	..	..	..	..	..	..	5s.
Chancery Lane	Birkbeck Lit. Inst.	Campbell, D.	Knott, J. W.	Vaughan, W. Hopper, T. Chaloner, G. Davy, W. Wilson, W. J. Zerffi, G. G.	..	47	47	..	..	1	..	..	1s. to 5s. per qr.
Chelsea	St. Mark's Coll.	Batty, Rev. W. E.	Quilter, J. S.	Eastburn, Rev. C. F. Byatt, H. Dawe, Rev. C. S. Lawson, W. Atkins, G.	48	79	31	..	62	14	..	..	Nil.
„	*College St. Tech. Sch.	Dilke, Sir C. W., Bart., M.P.	Demaus, Rev. R.	Bickerton, A. W. Davies, S. W. Coles, H. J. Turner, H. Ewings, J. Ashby, J. Jackson, G.	153	177	24	..	46	27	1 S. 1 B.	1 S. 1 B.	2s. 6d. to 7s. 6d.
City Rd., E.C.	*Finsbury Coll.*	*M'Auslane, Rev. A.*	*Skuse, W. H.*	*Bond, G.*	..	..	..	..	..	..	..	..	2s. 6d.
Clapham	*Christ Church Sch.*	*Abbott, Rev. B.*	*Helps, Rev. W. S.*	*Annis, S.*	..	..	..	..	..	..	..	..	5s.
„	*St. James' Sch.*	*Price, Rev. A. C.*	*Wainwright, W.*	*Taylor, W.*	..	..	..	..	..	..	..	..	4s.
Clerkenwell	*Technical Sch.*	*Pratt, H.*	*Taylor, J.*	*Bickerton, A. W.* *Coles, H. J.*	..	..	..	..	..	..	..	..	3s. 6d.
„	*St. Peter's N. S.*	*Sharp, Rev. B. O.*	*Wednell, A. C.*	*Swanson, W.* *Naukivell, G.*	..	..	..	..	..	..	..	..	5s.
Eaton Square	*St. Peter's Coll. Sch.*	*Samuelson, W.*	*Pococke, H.*	*Gibsone, Rev. B. W.* *Gwinnell, W. F.*	..	..	..	..	..	..	..	..	Not yet arranged.
Edgeware Rd.	*Christ Chapel N. S.*	*Campe, Rev. C.*	*Randall, E. B.*	*Simpson, B.*	..	..	..	..	..	..	..	..	Nil.
Goswell Road	St. Barnabas' Sch.	Ward, Rev. H.	Carter, J. H.	Conning, J. Jones, T.	..	27	27	..	..	1	..	..	5s.
Grays Inn Rd.	St. Bartholomew's Sch.	Bird, Rev. R. J.	Dove, K.	Town, E. H.	..	80	80	..	..	25	..	..	1s. 6d. per qr.
Hackney	St. Thomas Sq. Sch.	Picton, Rev. J. A.	Reynolds, A. W.	Bond, G. Weston, H. Ricks, G. Moss, H.	48	141	93	..	12	4	..	..	1s. to 2s. 6d.
Hackney (South)	*Parochial Sch.*	*Lockwood, Rev. G. P.*	*Wilkie, G. F.*	*Weston, H.* *Tremeer, C.* *Weston, Mrs. H.*	..	..	..	..	..	..	..	..	1s. ea. subj.
Hackney	*Parish Sch., Paradise Place.*	*Goodchild, Rev. T. O.*	*Baker, Rev. C. W.*	*Byatt, H.*	..	..	..	..	..	..	..	..	7s. 6d.
Hampstead Rd.	*St. James' N. S.*	*Hodson, Rev. C. W.*	*Thompson, Rev. G.*	*Hardy, J.*	..	..	..	..	..	..	..	..	2s. 6d. ea. sub.
Haverstock Hill	*Orphan Wkg. Sch.*	*Smith, B. W.*	*Tyler, C.*	*Longstaff, J. W.*	..	..	..	..	..	..	..	..	Nil.

* Removed from Arthur Street.

List of Science Schools, giving the Number of Students, &c.—*continued.*

Town.	Where held.	Chairman.	Secretary.	Teacher.	Number of Individuals under Instruction.		Increase.	Decrease.	Number of Prizes.		Number of Medals.		Fees paid by Students.
					1868.	1869.			1868.	1869.	1868.	1869.	
London—*cont.*													
Islington, Lower	Public Sch.	Fleming, Rev. W.	Wheatley, H. J.	Howard, J. Angel, H.	145	185	40	..	38	14	..	..	4*s.* to 7*s.* 6*d.*
Islington	*Youth's Inst., St. George's Hall.*	*Faithfull, W.*	*Tabrum, E. J.*	*Fairmaner, W.*	..	..	..	..	..	..	..	..	4*d.* pr. wk. or 3*s.* per session.
„	*St. Thomas', Everilda St.*	*Allen, Rev. G.*	*Allen, C. J.*	*Meyer, C.* *Speer, G.* *Fairmaner, W.* *Hardy, J.*	..	..	..	..	..	..	..	..	3*s.*
„	*Wes. Sch.*	*McKenny, Rev. J.*	*Love, R. H.*	*Busbridge, W.* *Yearsley, O.* *Cleminson, J.*	..	..	..	..	..	..	..	..	5*s.*
Kensington	*School, Allen St.*	*Stoughton, Rev. J.*	*Trotman, S. H.*	*Bickerton, A. W.* *Turner, H.* *Coles, H. J.*	..	..	..	..	..	..	..	..	3*s.* 6*d.*
Kentish Town	Gospel Oak Sch.	Lee, Rev. C.	Wildy, A. S.	Weston, H. Teather, H. W. Feltham, E.	..	87	87	..	..	..	..	..	1*s.* ea. subj.
Kingsland	*Sch. of Art*	*Aveling, Rev. T.*	*Iliffe, W.*	*Swinstead, C.*	..	..	..	..	..	..	..	..	Nil.
Knightsbridge	Albert W. M. Club	(Included with College Street, Chelsea).											
Lambeth	Hercules Buildings	Lingham, J.	Jones, W. W.	Heller, T. E. Child, T. Young, G. Browne, L. Browne, E. L. Groom, J. B. Jones, T. Furness, J.	155	209	54	..	13	..	1 S. 1 B.	..	5*s.* per sub.
„	Sch. of Art and St. Peter's Sch.	Gregory, Rev. G.	Herbert, Rev. G. W.	Sparks, J. Bale, E. Jennings, J. Schenk, R. Hayes, G.	..	36	36	..	..	3	..	..	1*s.* per mo. each subj.
Lambeth	*Lambeth Baths*	*Murphy, Rev. G. M.*	*Pamacott, A.*	*Ellis, A.* *Morley, J.* *Sadler, A.*	..	..	..	..	..	..	..	..	5*s.*

	Wes. Sch.	*Simmonds, J.*	*Wheeler, T.*	*O'Leigh, E.*						1d. pr. week
Lendenhall St., E.C.	City of London Coll.	Mackenzie, Rev. C.	Hansen, H. W.	Maxwell, T. Hawker, G. Northey, J. Jewesbury, F. N. Adams, H.	30	46	16	1	..	5s. to 10s. each subj.
Long Acre	Wilson Street Sch.	Whitmore, Rev. C. J.	Madden, B.	Duffy, F. P.	..	19	19	..	..	6d.
Marylebone	Central Sch.	Eyre, Rev. C. P.	Goody, Rev. C. J.	Ricks, G. Wren, J. Baker, A.	43	86	38	2	1	1s. ea. subj.
,,	New Quebec Club and Inst.	Fremantle, Rev. W. H.	Pope, F.	Dorrell, C. F.	..	28	23	..	1	5s.
Nine Elms	Lecture Room	Mather, Rev. W. M.	Sellar, F.	Bickerton, A. W. Davies, S. W. Jackson, G.	..	37	37	..	6	3s. 6d.
Notting Hill	St. James' Square Tabernacle Sch.	Varley, Rev. H.	Day, W.	Barber, W. C.	..	..	..	..	..	5s.
Old Kent Rd., S.E.	St. Mary's Sch.	Snape, Rev. A. W.	Walsh, Rev. J. F. B.	Simpson, B.	..	..	..	..	..	General sch. fee. Not yet fixed.
Paddington	Greville House	Merivale, J. L.	Deans, C.	Jones, T. Bray, G.	31	48	17	10	6	Nil.
Paddington	All Saints' N. S.	Steventon, Rev. H.	Mercer, Rev. W.	Ricks, G.	..	..	..	..	..	Nil.
Peckham	St. Mary's Coll.	Biggs, Rev. M.	Fry, F. W.	Bickerton, A. W.	..	..	..	..	..	7s.
Pimlico	St. Saviour's Sch. St. Gabriel's Sch.	Belcher, Rev. B.	Severn, W.	Annis, S.	..	..	..	..	..	6s.
Poplar	Boys' Nat. Sch.	Nowell, Rev. T. W.	Fairbairns, W.	Gaze, E. H. J. Saunders, J.	..	30	30	..	5	5s.
Poplar	William St.	Walter, Rev. R. P.	Paton, Rev. J.	Wild, R.	..	..	..	..	..	7s. 6d. to 15s. each subject.
Regent Street	Royal Polytechnic	Mackenzie, Rev. C.	Cousens, J.	Hardy, J. Downar, G. F.	46	65	9	..	7 (1 G. 1 S. 3 B.)	2s.
St. John's Wood.	Boys' Cath. Sch.	Mostyn, L.	Burke, Rev. W.	Carroll, J.	..	..	..	..	..	5s.
Somers' Town	Christ Ch. Nat. Sch.	Worsfold, Rev. A. N.	Maney, C.	Parris, P.	..	..	..	..	..	5s.
,,	Brit. Sch.	Thorold, Rev. A.	Leftwich, H. T.	Bushridge, W. Clark, C. Ellercamp, H. Newman, G. Topple, C. J.	..	..	..	..	..	7s. 6d. 2s. 6d. per month.
Southwark	Nat. Sch., Swan St.	Moullin, Rev. D. A.	Bayles, W. J.	Parry, P. Adams, H.	..	24	24	..	..	2s. to 4s. per subj.
Spitalfields	Sch. of Art	Vanner, J.	Hill, N.	Mills, S. F. Rawson, W.	..	..	..	..	..	
Tottenham Court Rd.	St. John's W. M. I.	Coxhead, Rev. J. J.	Charlton, Rev. E. B. Conning, J. Browne, L.		..	..	..	..	..	

List of Science Schools, giving the Number of Students, &c.—*continued.*

Town.	Where held.	Chairman.	Secretary.	Teacher.	Number of Individuals under Instruction.		Increase.	Decrease.	Number of Prizes.		Number of Medals.		Fees paid by Students.
					1868.	1869.			1868.	1869.	1868.	1869.	
London—*cont.*													
Vauxhall	L. and S. W. Rail. Inst., Brunsw. Ho.	Shepherd, Rev. C. P.	Grimsdick, C.	Parry, P.	..	10	10	..	..	3	..	..	5s. 6d. to 8s.
„	Baptist Sch.	Lawrence, Sir J. C., M.P.	Hearson, Rev. G.	Busbridge, W. Clark, C. Cleminson, J. Newman, G.	..	45	45	..	..	5	..	..	5s.
Walham Green.	*St. John's Sch.*	*Batty, Rev. W. E.*	*Godrich, T.*	*Lawson, W.*	..	..	..	..	..	..	..	..	Nil.
Wandsworth	R.P. Fund, Boys' Sch.	Lindsay, General Hon. J.	Mugford, W. H.	Bickerton, A. W. Turner, H. Pomeroy, P. T. Hart, J.	..	57	57	..	..	..	..	..	Nil.
Waterloo Road	Church St. Nat. Sch.	Johnston, Rev. J. A.	Quaif, W.	Busbridge, W. Norman, C. Thompson, R.	30	88	58	..	33	26	..	..	5s.
Westminster	Wes. Trg. Coll.	Hall, T. F.	Olver, Rev. G. W.	Sugden, W. Kinton, J. L. Langler, J. R. Mansford, C.	29	94	65	..	28	25	..	..	Nil.
„	St. James the Less	Dickson, Rev. G. D. W.	Giveen, Rev. R. L.	Busbridge, W. Yearsley, O. Ellercamp, H.	..	41	41	..	..	11	..	..	5s.
Westminster	*Wkg. Men's Club*	*Maskell, Rev. J.*	*Payne, J.*	*Bickerton, A. W.* *Turner, H.* *Davies, S. W.*	..	..	..	..	..	..	..	..	Nil.
Luddenden Foot (Halifax)	Cong. Sch. Room	Whitworth, W.	Hillman, Rev. S. D.	Tattersall, A.	..	38	38	..	..	1	..	..	5s.
Lutterworth	*Cottage Sch.*	*Constable, Rev. J. P. G.*	*Tomlinson, Rev. E.*	*Bellow, Rev. W.* *Fowler, J.*	..	..	..	..	..	..	..	..	6d. to 9d. per mnth.
Macclesfield	Modern Free School	- - -	Brooker, J.	Jackson, J.	43	43	..	..	..	..	..	..	10s. per qr.
Manchester	Mech. Inst.	Grave, J.	Shipley, G. H.	Brewer, R. F. Mellor, J. Tomkins, E. Gee, W. Richardson, H. Richardson, J. Davenport, T.	200	240	40	..	64	21	1 G. 1 S. 2 B.	3 G. 1 S. 3 B.	6d. per qr. to 1s. per session.

"	Roby Educ. Soc.	Booth, G.	Ellis, R. P.	Schofield, J.	39	12	..	27	9	2	..	..	3s. per qr.
"	Hulme W. M. Inst.	Booth, W.	Lebch, G. A.	Richardson, J. Richardson, H.	31	38	7	..	12	4	..	..	1s. ea. subj.
"	St. George's Nat. Sch.	Lindsay, Rev. T.	Gregory, J.	Jones, T. Monks, P.	12	10	..	2	1	..	..	..	2s. ea. subj.
Manchester	Owen's Coll. and Mech. Inst.	Rumney, R.	Lawton, T.	Angell, J. Spriggs, C. Bentley, A. W. Thorpe, Dr.	..	..	..	..	..	..	..	..	4s.
"	Free Gram. Sch.	Armitage, Sir E.	Hodson, S. H.	Angell, J. Watts, W. M. Atkis, T. S. Prilchard, Z.	..	..	..	..	..	..	..	..	Included in general school fee.
"	Buildg. Trades Inst.	Huntingdon, Rev. W.	McLean, J.	Battye, J. Bennion, J. A.	..	..	..	..	..	..	..	..	2s. 6d. per quarter.
"	Pres. Sch., Ancoats	Ross, Rev. J. M.	Carson, A.	Hastam, W. Richardson, H.	..	..	..	..	..	..	..	..	5s. each subject.
"	Rusholme Pub. Hall	Mayson, J. S.	Wilde, E.	Hurst, W.	..	..	..	..	..	..	..	..	6s. per sess.
"	St. Luke's School, Cheetham Hill Rd.	Chippendall, Rev. J.	Guest, Rev. T. H.	Monks, P.	..	..	..	..	..	..	..	..	2s. 6d. per session.
Market Harborough	Nat. Sch.	Follett, Rev. W. W.	Martin, W.	Napper, E. W.	..	..	..	..	..	..	..	..	1s. 6d. per term.
"	Brit. Sch.			Price, W.	..	..	..	..	..	..	..	..	1d. pr. night.
"	Albert Sch.	Turner, W. H.	Walmsley, W.	Robinson, A. Walker, J.	..	..	..	..	..	..	..	..	Nil.
Marple (Stockport).	Brit. Sch.	Gore, A.	Palmer, T., jun.	Price, H. S.	..	..	..	..	..	..	..	..	1s. to 2s. 6d.
Melksham (Wilts).	Church Sch.	Watson, Rev. E. C.	Armitage, A. C.	Revell, W.	..	..	..	..	..	..	..	..	2s. 6d.
Meltham, Huddersfield.	Church School-room	Colles, Rev. W. M.	Willcox, W.	Greasley, J.	3	10	7	..	..	..	..	..	5s. per qr.
Merthyr-Tydfil	Tydfil Sch.	James, C. H.	Johnstone, Rev. F. S.	Williams, E. Heasley, R.	..	..	..	..	..	..	..	..	1s. per mo. to 7s. 6d. per sess.
Middlesborough.	Church Association	Smith, Rev. A. C.	Blair, Rev. G. A.	Stead, W.	11	8	..	3	8	3	..	..	5s.
Middleton	National Sch.	Durnford, Ven. R.	Ward, Rev. C. B.	Wheeler, G. H.	22	35	13	..	17	1	1 B.	..	2s. 6d. ea. subject.
Middleton	Parkfield, Prin., C. N. S. Holy	Jackson, T.	Bates, Rev. E.	Heywood, E.	..	..	..	..	..	..	..	..	2s. 6d.
Millwall	Pres. Inst.	Dickson, Rev. J. H.	-	Farncombe, F.	..	16	15	..	..	..	..	..	4s.
Mixfield (Dewsbury)	Lit. Soc.	Johnson, J. M.	Barker, J.	Jarmain, G.	..	..	..	..	..	..	..	..	5s.
Morley (Batley).	Brit. Sch.	James, Rev. J.	Smith, W.	Smith, W. A. Harries, R. E.	..	..	..	..	..	..	..	..	1s.

List of Science Schools, giving the Number of Students, &c.—*continued.*

Town.	Where held.	Chairman.	Secretary.	Teacher.	Number of Individuals under Instruction.		Increase.	Decrease.	Number of Prizes.		Number of Medals.		Fees paid by Students.
					1868.	1869.			1868.	1869.	1868.	1869.	
Mossley (Manchester)	Mech. Inst.	Jones, Rev. G. A.	Jackson, T.	Lord, T. Minshull, W. H.	23	23	..	..	2	2	..	..	3*s.* ea. subj.
Moulton (Northampton).	*Nat. Sch.*	*Nethercote, H. O.*	*Sanders, Rev. T.*	*Onn, W.*	..	..	..	..	..	..	..	..	1*d.* pr. wk. to 6*d.* per month.
Mow Cop (Stoke-on-Trent).	*Nat. Sch.*	*Robinson, Rev. J. J.*	*Jamieson, W.*	*Hodgins, B.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* half-yearly.
Murton	Colliery Sch.	Waters, Rev. R.	Archbold, J. W. M.	Rowden, W. T. Kernick, R.	..	52	52	..	..	11	..	..	5*s.*
Nailsworth (Stroud)	Nat. Sch.	Stokes, T.	Thomas, E. T. W.	Smith, P. L.	..	8	8	..	..	1	..	..	1*s.* 6*d.* ea. subject.
Nelson in Marsden	Lomeshaye Schs.	Ecroyd, W.	Waddington, J.	Thompson, J. Ashworth, J.	36	35	..	1	23	..	..	..	1*s.*
Newark-on-Trent	Mech. Inst.	Godfrey, T. S.	Lammin, H.	Webster, J. H. Turnbull, J.	34	31	..	3	3	1	..	..	2*s.* 6*d.* ea. subject.
Newcastle-on-Tyne.	Elswick Mech. Inst.	Maughan, Rev. W.	Allan, G.	Rowden, W. T. Kernick, R. Cail, C. Clark, W. N. Pratt, R. Garthorne, M. Hutchinson, G. H.	..	117	117	..	..	38	..	..	6*s.* per sess.
"	Mech. Inst.	Gregson, J. L.	McKendrick, J.	Ross, J. A. G.	..	16	16	..	..	2	..	..	5*s.* ea. subj.
Newcastle-on-Tyne	*Stephenson Inst.* *Wellingt. Quay*	*Potter, A.*	*Goddant, A.*	*Stokoe, R.* *Crawford, S.* *Grice, J.*	..	..	..	..	..	..	..	..	5*s.*
"	*Sch. of Art*	*Watson, J.*	*Leathart, J.*	*Way, W. C.* *Harrison, W.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* per month.
Newcastle-under-Lyne.	*Sch. of Art*	*Broad, Rev. J. S.*	*Earl, E.*	*Bacon, J. P.*	..	..	..	..	..	..	..	..	2*s.* per subj.
Newton Heath (Manchester).	All Saints (No. 2) Sch.	Hutchinson, Rev. W.	Hudson, T.	Parnell, G.	18	18	..	..	5	1	..	..	5*s.*

Northallerton	*Institute*	*Mercer, Rev. T. W.*	*Loane, A. W.*	*Walton, J. S.* *Jackson, W.*	..	..	..	..	..	..	..	..	Nil.
Northampton	Museum, St. Giles' Square	Compton, Rev. Lord A.	Hensman, J. B.	Lees, C. Coleman, J. B.	115	191	76	..	30	12	1 B.	1 B.	From 6*d.* per mo. ea. subj. to 5*s.* per sess.
Northampton	*St. Sepulchre's N. S.*	*Butlin, Rev. W.*	*King, C. D.*	*Smart, H.*	..	..	..	..	..	..	..	..	6*d.* per mo.
North Ormesby	Church Inst.	Pennyman, J. S.	Sharrock, Rev. W. R.	Weatherill, R. Casson, T.	7	5	..	2	4	..	..	..	2*s.* 6*d.*
North Shields	*Free Library*	*Shotton, E.*	*Edington, J. S.*	*Wheatley, M. J.* *Lambton, J. W.* *Proctor, H. R.*	..	..	..	..	..	..	..	..	5*s.* to 10*s.* 6*d.* each subj.
„	*St. Peter's Sch.*		*Hicks, H.*	*Stokoe, R.* *Crawford, S.* *Bewick, T.*	..	..	..	..	..	..	..	..	5*s.*
Norwich	*Presbyterian Sch.*	*Smyth, Rev. J. D. H.*	*Freeman, J.*	*Pinder, T. R.* *Claxton, R. L.* *Taylor, J. E.* *Goggs, R. G.* *Wright, J. D.*	..	..	..	..	..	..	..	..	1*s.* to 5*s.*
Norwich	Thorpe Hamlet N. S.	Owen, Rev. S. J.	Caley, J. W.	Marsh, W. H.	..	8	8	..	..	..	..	..	2*s.* 6*d.* to 5*s.*
Nottingham	Mech. Inst.	Morse, Rev. F.	Thurlow, R.	Wilson, E. Major, H. Elder, G. Smith, G. E. Taylor, W.	61	232	171	..	17	4	..	..	2*s.* to 10*s.*
Oadby (Leicester).	*Nat. Sch.*	*Gordon, Rev. T. W. W.*	*Lee, Rev. W. H.*	*Hoyle, W. H.*	..	..	..	..	..	..	..	..	1*s.*
Oldbury	Nat. Sch.	Taylor, Rev. W. T.	Gill, J.	Spencer, P.	61	68	7	..	12	1	..	..	1*d.* per night or 4*d.* week.
„	Messrs. Chance's Inst.	Chance, H.	Chance, A. M.	Horton, F. C.	14	76	62	..	..	..	..	..	3*s.* ea. subj.
Oldham	Sci. and Art Sch.	Platt, J., M.P.	Bailey, T.	Phythian, J. P. Philip, J. Walters, C.	80	98	18	..	42	13	..	1 S.	7*s.* 6*d.*
„	Glodwick Inst.	Harrop, E.	Green, J.	Kershaw, T.	30	76	46	..	14	8	..	..	5*s.*
„	Analytic Lit. Inst.	Yates, J.	Hall, R.	Taylor, W. Haslam, W.	44	40	..	4	16	13	..	..	6*d.* per mo. 2*s.* per qr.
„	Mech. Inst., Werneth	Taylor, J.	Mellor, W.	Mellor, J.	33	34	1	..	14	1	..	..	1*s.* 6*d.* per qr.
Openshaw	Ashbury Carriage Works	Airey, Rev. J. P.	Ashbury, T., jun.	Tomkins, E. Tomkins, W.	..	29	29	..	..	9	..	..	5*s.*
„	Wes. Sch.	Tyler, Rev. G.	Kay, J., jun.	Hurst, W.	..	30	30	..	..	..	..	..	2*s.* 6*d.* ea. sub.
Oswaldtwistle (Blackburn).	*Wes. Schs.*	*Holbrey, Rev. G.*	*Grimshaw, W.*	*Hargreaves, W.*	..	..	..	..	..	..	..	..	1*s.* 6*d.* per session.
Oswaldtwistle	*Busk Sch.*	*Underwood, Rev. W. J.*	*Smith, J.*	*Lucas, J.*	..	..	..	..	..	..	..	..	6*d.* per mo.
Oundle (Northants).	*Brit. Sch.*	*Siddons, G.*	*Hill, J.*	*Roe, R. G.*	..	..	..	..	..	..	..	..	1*s.* to 2*s.* 6*d.*

List of Science Schools, giving the Number of Students, &c.—*continued.*

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					1868.	1869.			1868.	1869.	1868.	1869.	
Oxford *Oxford*	Town Hall *Wes. Sch.*	Liddell, Very Rev. H. G.	Alden, E. C.	Gubb, E. J. Richardson, J. Eagleston, J. Macdonald, A.	..	17	17	..	..	7	..	..	5*s.* to 10*s.* per subj.
Padiham *Padiham*	Nat. Sch. *Wes. Sch.*	Fox, Rev. J. H. *Kent, Rev. R. B.*	Bussell, Rev. F. V. *Stephenson, W.*	Thompson, J. *Hargreaves, W.*	10 ..	11 ..	1 ..	.. ..	.. ..	.. ..	.. ..	.. ..	Nil. Nil.
Patricroft (Manchester)	Mech. Inst.	Wilson, R.	Hewitt, J.	Tomkins, E. Tomkins, W. Slater, J. K.	27	18	..	9	17	8	1 S. 1 B.	2 G., 1 B.	2*s.* to 4*s.* 6*d.*
Pavenham	Ch. of Eng. Sch.	Tucker, J.	Ram, Rev. S. J.	Glover, A. W.	..	19	19	..	..	1	..	..	1*s.* ea. subj.
Pembroke Dock	Mech. Inst.	Cocks, J.	Siunette, G. M.	Fitze, W. J.	..	15	15	..	..	..	..	..	5*s.* to 10*s.*
Pendeen (Penzance).	Nat. Sch.	Aitken, Rev. R.	Bennetts, J.	Oats, F.	..	7	7	..	..	..	..	..	2*s.* 6*d.* to 5*s.*
Pendleton (Manchester).	Mech. Inst.	Barrett, R. H.	Whitehead, A. H.	Beever, J.	20	19	..	1	4	2	..	..	2*s.* 6*d.* each subject.
Penzance	Sch. of Art	Downing, N. B.	Rodd, W. H.	Geoffroi, H. M. Bettany, G.	24	28	4	..	4	8	..	..	Nil.
Penzance	*Sancreed N. S.*	*Pascoe, H.*	*Collyns, J. M.*	*Cridland, T.*	..	..	..	..	..	..	..	..	5*s.* per sess.
Peterborough	Trg. Coll.	Skrimshire, Rev. A.	Savigar, J.	Tomlinson, J. Girling, R. G. S.	..	37	37	..	..	2	..	..	4*s.* 6*d.* ea. subject.
Pitsford (Northants).	*Nat. Sch.*	*Markham, H. P.*	*Evans, Rev. J. M.*	*Carter, G.*	..	..	..	..	..	..	..	..	2*s.* to 2*s.* 6*d.*
Plumstead	Burrage Road	McAllster, Rev. J. A.	Hammond, J.	Shipman, C. Downar, G. F. Farlie, J. L. Williams, R. Jones, T.	57	85	28	..	58	15	..	1 G., 1 S.	5*s.* to 10*s.*
Plumstead (Kent)	*St. James' Sch.*	*Robertson, Rev. A.*	*Raynes, A. T.*	*Busbridge, W.* *Hopper, T.* *Ellis, A.* *Charlesworth, T.*	..	..	..	..	..	..	..	..	5*s.*
Plymouth	Courtenay Street	Bate, C. S.	Cawse, J. H. M.	Merrifield, J. Rickard, G. Rider, A. Balkwill, F. P. Hodge, H. Sargent, R. E. Shopland, S. Hingston, C. A.	163	141	..	22	81	40	1 G. 3 S. B. 4	1 B.	2*s.* 6*d.* ea. subject.

„	Navigation Sch.	Hill, R.	Cuming, W. B.	Merrifield, J.	344	241	..	103	..	1	..	..	1*s.* per wk.
„	Charles Nat. Sch.	Greaves, Rev. H. A.	Cuddeford, T.	Evers, H. Evers, H. G. Bowden, J. T. Clark, R. G.	..	74	74	..	..	15	..	..	2*s.* 6*d.* per quarter. 5*s.* per term.
Portland	Grove Sch.	Clifton, G.	Hill, Rev. A.	Moore, E. W.	30	23	..	7	2	..	..	..	Nil.
Portsmouth	*Nat. Sch.*	*Grant, Rev. E. P.*		*Horn, H.* *Rockett, J. R.* *Laws, J.*	..	..	..	..	..	..	..	..	2*s.* per mo. each subj.
Preston	Inst., Avenham	Myres, J. J.	Newsham, W.	Cope, J. G. Gilbert, H.	57	79	22	..	30	13	1 S., 1 B.	1 S.	3*s.* to 10*s.*
Queensbury (Halifax).	*Nat. Sch.*	*Foster, W.*	*Hyatt, Rev. J. C.*	*Harrison, J.*	..	..	..	..	..	..	..	..	5*s.*
Rawtenstall	Mech. Inst.	Whitehead, J. B.	Wardleworth, W.	Tomkins, E. Tomkins, W.	55	41	..	14	33	14	..	..	4*s.*
„	Irwell Inst.	Ashworth, R.	Ashworth, H. H.	Thornley, G.	..	12	12	..	..	..	..	..	1*s.*
Reading	*Sch. of Art*	*Taylor, J. O.*	*Brown, W.*	*Havell, C.*	..	..	..	..	..	..	..	..	5*s.*
Redditch	Lit. Inst.	Bartleet, R. S.	Sparrow, S.	Bryant, J. E.	..	40	40	..	..	..	..	..	1*s.* 6*d.* per quarter.
Redruth	The Institute	Mitchell, T.	Grylls, W. M.	Pender, W.	10	54	44	..	2	..	..	..	2*s.* 6*d.*
Retford	*Wes. Day Sch.*	*Midgeley, Rev. J.*	*Liller, W.*	*Reatchlous, H. N.*	..	..	..	..	..	..	..	..	2*d.* and 3*d.* per week.
Richmond (Surrey).	*Petersham Brit. Sch.*	*Nott, Rev. P. W.*	*Blyth, Rev. F. C.*	*Smith, E. W.*	..	..	..	..	..	..	..	..	2*s.* 6*d.*
Riddings (Derbysh.)	Mut. Imp. Soc.	Walsh, Rev. T. H.	Wood, S. A.	Fowler, J. Pine, W. F. Booth, J.	..	28	28	..	..	..	..	1 B.	Nil.
Ripon	*Female Trg. Coll.*	*Hedley, Rev. T.*	*Ward, Rev. J. M.*	*Mustard, Miss*	..	..	..	..	..	..	..	..	Nil.
Rochdale	Brit. Sch.	Mansell, G.	Belmont, E.	Tomkins, E. Tomkins, W. Duerr, G. Wheeler, G. H.	47	114	67	..	18	27	..	1 B.	6*s.*
Rothwell (Kettering).	*Brit. Sch.*	*Hafford, C.*	*Palmer, C.*	*Brooks, W. W.*	..	..	..	..	..	..	..	..	Nil.
Rowley Regis (Dudley).	*Nat. Sch.*	*Ward, Rev. T.*	*Jukes, W.*	*Parrott, E. B.*	..	..	..	..	..	..	..	..	2*d.* per wk.
Royton (Manchester).	Nat. Sch.	Whitaker, R.	Hill, Rev. R.	Taylor, W.	54	43	..	11	8	3	..	..	10*d.* per mo.
St. Austell (Cornwall)	*Nat. Sch.*	*Coode, A.*	*Ball, A. W.*	*Dyke, E. G.*	..	..	..	..	..	..	..	..	3*s.* 6*d.* ea. subject.
St. Burian (Cornwall).	„	*Coulson, Rev. T. B.*	*Thomas, W.*	*Kissell, E.*	..	..	..	..	..	..	..	..	5*s.*
St. Helen's	Commercial Sch.	Mocatta, Rev. W. A.	Walthew, Rev. J. H.	Bournes, T.	23	20	..	3	4	..	..	..	2*s.* 6*d.*
St. Ives	*Nat. Sch.*	*Goldie, Rev. C. D.*	*Roffe, Rev. A. A.*	*Myhill, C.*	..	..	..	..	..	..	..	..	Nil.
St. Just	Institution	Boyns, R., 1st	Boyns, R., 2nd	Oats, F. George, T.	14	8	..	6	..	..	..	..	2*s.* 6*d.* each subject.

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					1868.	1869.			1868.	1869.	1868.	1869.	
Salford	Wkg. Men's Coll.	Davies, T.	Plant, J.	Richardson, J. Holl, J. Law, E. Monks, P. Shorrocks, J. H.	53	80	27	..	11	15	..	1 B.	6*d.* & 1*s.* per. qr.
Salford	*Wes.Sch., Broughton Road*	*Lawn, W. S.*	*Bowman, H.*	*Thornton, J.*	..	..	..	..	..	..	..	..	1*d.* & 2*d.*, some free.
Salisbury	*Sch. of Art*	*Hamilton, Very Rev. H. P.*	*Wilton, W. J.*	*Fraser, J. P.*	..	..	..	..	..	..	..	..	2*s.* per mo.
Saltaire (Bradford).	Lit. Inst.	Kelly, Rev. W.	Haley, F.	Severs, G.	..	24	24	..	..	2	..	..	2*s.* 6*d.*
Saltley (Birmingham)	Trg. Coll.	Smythe, Rev. P. M.	Smith, Rev. F.	Haworth, Rev. T. J. Long, J. Bulpitt, W. T.	20	66	46	..	37	16	..	..	Nil.
Scarborough	Mech. Inst.	Champley, R.	Delamere, N. H.	Beever, J. Fox, C. B. Potter, F. Yewdall, J. H.	..	18	18	..	..	..	..	..	2*s.* 6*d.* each subject.
Seaham (Durham)	Infant Sch.	Cust, Rev. D. M.	Warham, W.	Rowden, W. T. Jack, D.	..	33	33	..	..	6	..	..	3*s.* 6*d.*
Seaton Delaval (Durham)	Colliery Sch.	Forster, T. E.	Sanderson, T.	Rowden, W. T. Kernick, R. McDougal, T.	..	54	54	..	..	8	..	..	5*s.*
Shaw (Oldham)	Nat. Sch.	Crompton, J.	Bartleet, Rev. S. E.	Taylor, W. Newton, I.	..	28	28	..	..	1	..	..	10*d.* per mo.
Sheerness	*Brit. Sch.*	*Bryant, Rev. G.*	*Blackman, I.*	*Brazier, C.* *O'Donoghue, D.*	..	..	..	..	..	..	..	..	5*s.*
Sheffield	St. Paul's Sch.	Moore, T.	Darbyshire, Rev. B. S.	Sanderson, N. Harrison, G.	..	23	23	..	..	..	..	..	21*s.*, half returned if examd.
„	Ch. Inst., St. James' Street	Sale, Rev. T.	Baker, W.	Sanderson, N. Sutton, J. Harrison, G.	..	35	35	..	..	5	..	..	Boys 1*s.* 6*s.*
„	Ch. and Educ. Inst.	Foster, Rev. T.	Wardlow, C.	Allen, A. H.	..	15	15	..	..	..	..	..	6*s.* to 8*s.*
Sheffield	*Park Wes. Sch.*	*Hargreaves, Rev. J.*	*May, T.*	*Harrison, G.*	..	..	..	..	..	..	..	..	5*s.*
„	*Mech. Inst.*	*Moore, T.*	*Dawson, G.*	*Harrison, G. H.*	..	..	..	..	..	..	..	..	3*s.*

„ - -	*Sch. of Art* - -	*Hobson, J.* - -	*Wightman, A.* -	*Cox, W.* - - -	..	..	..	..	..	..	..	15*s.* the session.
Shelton (Hanley).	*Nat. Sch.* - -	*Ashworth, T.* - -	*Strick, J.* - - -	*Nevill, Rev. S. T.* -	..	..	..	..	..	..	..	1*d.* per nt.
Shrewsbury -	Sch. of Art - -	Humphreys, J. R. -	Tasker, J. - -	Noyes, H. J. - -	..	4	4	..	..	1	..	..	5*s.* to 21*s.*
Skelmanthorpe (Huddersfield).	*Nat. Sch.* - -	*Newland, Rev. H.* -	*Drummond, O.* -	*Fawcett, J. L.* -	..	..	..	..	..	..	..	..	2*s.*6*d.* en.sub.
Slough - -	Mech. Inst. - -	Thompson, Rev. W. O. - -	Ward, W. H. -	Dorrell, J. - - Dorrell, C. F. - Dorrell, H. B. - Davis, G. E. -	22	53	31	..	4	12	..	..	Nil.
Southampton -	Hartley Inst. -	Chipperfield, R. -	Le Feuvre, J. E.	Bond, F. T. - - Ranken, F. A. -	49	146	97	..	1	4	..	..	5*s.* to 15*s.*
Southminster -	Nat. Sch. - -	Page, W., jun. -	Berkeley, Rev. G. C.	Fleming, J. - -	21	22	1	..	2	2	..	..	Nil.
Southport -	Athenæum - -	Boothroyd, S. -	Craven, R. - -	Spriggs, C. - -	..	14	14	..	..	1	..	..	2*s.* per qr.
South Shields	Mech. Inst.- -	Stevenson, J. C., M.P.	Noble, J. - -	Legat, A. - - Denham, J. S. - Armstrong, L. - Crease, J. R. - Rowden, W. T. - Tyler, F. G. - Ross, J. A. G. - Grice, J. - - Hill, D. - - Meek, J. - - Kernick, R. -	..	112	112	..	..	8	..	..	5*s.*
South Shields	*St. Hilda's* - -												
„ - -	*Jarrow Chem. Wks.*												
„ -	*Tyne Docks M. I.* -	*James, W.* - -	*Powlson, S.* -	*Walbank, J.* - -	..	..	..	..	..	..	..	..	1*s.* to 2*s.* 6*d.*
Stainland - (Halifax)	Independent Sch. -	Watts, Rev. L. L. -	Haley, Rev. J. -	Wilby, R. - -	..	9	9	..	..	1	..	..	2*s.*6*d.* to 3*s.* en. subj.
„	Holywell Green M. I.	Shaw, S. - - -	Shaw, S. W. -	Shaw, J. - - Stopford, W. H. - Nicholson, R. E. -	..	12	12	..	..	3	..	..	2*d.* per wk.
Stalybridge -	Mech. Inst. - -	Marsland, J. - -	Smith, D. - -	Hurst, W. - -	..	19	19	..	..	5	..	..	2*s.*
Staveley - -	*Works Sch.* - -	*Markham, C.* - -	*Selby, J.* - -	*Francis, E.* - -	..	..	..	..	..	..	..	..	2*s.*6*d.* to 5*s.* en. subj.
„ - -	*Schoolroom* - -	*Cottingham, J. E.* -	*Macfarlane, Rev. J. D.*	*Craven, J.* - -	..	..	..	..	..	..	..	..	4*s.*
Stepney - -	Red Coat Sch. -	Charrington, F. -	Scott, W. - -	Parry, P. - - Bloomfield, J. -	..	20	20	..	..	1	..	..	2*s.* 6*d.* en. subject.
Stepney - -	*St. Paul's Sch.* -	*Cotton, Rev. A. B.* -	*Daveney, Rev. T. B.*	*Papworth, F.* - -	..	..	..	..	..	..	..	..	1*s.*
„ - -	*Colet Boys' Sch.* -	*Valentine, Rev. W.*	*Roe, Rev. J.* -	*Jones, T.* - - *Browne, L.* - - *Phillips, E. R.* -	..	..	..	..	..	..	..	..	Nil.
Stockport -	Mech. Inst. - -	Walthew, J. - -	Stockdale, R. -	Gee, W. - - Goodwin, J. W. - Davies, G. W. - Davenport, T. -	45	54	9	..	19	8	..	..	2*s.* 6*d.* en. subject.

List of Science Schools, giving the Number of Students, &c.—*continued.*

Town.	Where held.	Chairman.	Secretary.	Teacher.	Number of Individuals under Instruction.		Increase.	Decrease.	Number of Prizes.		Number of Medals.		Fees paid by Students.
					1868.	1869.			1868.	1869.	1868.	1869.	
Stockport	Sunday Sch.	Wilkinson, S. W.	Hill, J.	Rathbone, T. H. Davies, G. W. Gosling, J. W.	18	34	16	..	5	1	..	..	2*s.* per qr.
Stoke-on-Trent	*Sch. of Art*	*Stamer, Rev. Sir L. P.*	*Keary, W.*	*Bacon, J. P.*	..	..	..	..	..	..	..	..	2*s.* ea. subj.
Stourbridge	Gram. Sch.	Freer, R. L.	Marten, E. B.	Welch, Rev. J. J. Packer, M. W. Kennedy, J.	..	16	16	..	..	..	..	..	4*s.* to 10*s.* 6*d.* pr. qr. ea. sub.
Stratford (Essex)	Wkg. Men's Hall	Scott, Rev. T.	Smith, E. E.	Farlie, J. L. Saunders, J.	58	58	..	..	37	19	..	..	6*s.*
Stratford (Essex)	*Brit. Sch.*	*Angell, L.*	*Taylor, C.*	*Swanson, W.* *Nankivell, G.*	..	..	..	..	..	..	..	..	5*s.*
Stratford-on-Avon.	*Nat. Sch.*	*Collis, Rev. J. D.*	*Gulliver, Rev. E. H.*	*Burrage, J. W. W.*	..	..	..	..	..	..	..	..	3*s.*
Stroud	Institute	Dickinson, S.	Gardner, H. F.	Smith, P. L.	29	89	60	..	11	4	..	..	1*s.* 6*d.* to 21*s.*
Stroud	*Sch. of Art*	*Winterbotham, R.*	*Dickinson, S. S.*	*Kemp, J.*	..	..	..	..	..	..	..	..	5*s.* per qr. ea. subj.
Sunderland	Monkwearmouth Colliery Sch.	Stobart, W.	Walker, J. E.	Rowden, W. T. Kernick, R. Jack, D.	..	41	41	..	..	..	..	..	5*s.*
Sunderland	*Sch. of Art*	*Burnet, Rev. W. R.*	*Hills, W. H.*	*Thomas, S.*	..	..	..	..	..	..	..	..	1*s.* 6*d.* per month.
,,	*Wkg. Men's College*	*Thompson, W.*	*Wood, P.*	*McLaren, J.* *Lambton, J. W.*	..	..	..	..	..	..	..	..	5*s.*
Sunninghill (Staines).	*Wes. Day Sch.*	*Portrey, Rev. J.*	*Walker, R.*	*Stokes, J.*	..	..	..	..	..	..	..	..	Nil.
Sutton (Surrey)	*Nat. Sch.*	*Neame, A.*	*Hind, W. L.*	*Knibbs, H.*	..	..	..	..	..	..	..	..	1*d.* and 2*d.* per night.
Sutton Coldfield	*Town Hall*	*Bedford, Rev. W. K. R.*	*Bodington, G. F.*	*Jennings, J. M.*	..	..	..	..	..	..	..	..	1*s.* to 2*s.* 6*d.*
Swansea ,,	Royal Inst. Oxford St. Nat. Sch.	Jenkins, J. J.	Williams, J.	Smith, A. Bell, W. G. Cole, F. Hocking, H. Hosford, F. F. Molison, A.	45	92	47	..	4	19	..	..	5*s.* to 7*s.* per subj.

Swinton (Manchester).	*Mech. Inst.*	*Heywood, Rev. H. B.*	*Kenyon, N.*	*Stott, H.*	..	..	..	..	..	..	..	..	2s. 6d.
Tavistock	Brit. Sch.	Newland, Rev. J. M.	Luxton, R.	Moffatt, W. Rowe, W. Moffatt, J.	50	31	31	..	22	5	..	1 S.	2s. 6d. ea. subject.
"	Nat. Sch., Dolvin Rd.	Tancock, Rev. O. J.	Monk, H. E.	Merrifield, J. Rider, A. J. Balkwill, F. P.	..	63	63	..	..	4	..	..	2s. 6d. ea. subject.
"	Sch. of Art	Tancock, Rev. O. J.	Greenfield, T. W.	Robjohns, F. R.	..	15	15	..	..	2	..	..	2s. 6d. ea. subject.
"	{ Duke of Bedford's Sch., Gulworthy }	Alford, Rev. D. P.	Philips, W.	Gaud, J. H. Gaud, J. W.	34	68	34	..	9	3	1 B.	..	2s. 6d. ea. subject.
"	St. Mary Tavy N. S.	Gibbons, Rev. T.	Buller, Rev. A.	Rowe, W.	..	14	14	..	..	..	..	..	1s. ea. class.
Tebworth (Bedfordsh)	Wes. Day Sch.	Seccombe, Rev. W.	Gurney, N.	Mackrell, I.	13	11	..	2	3	..	..	..	1s. 6d. ea. subject.
Thorne (Doncaster).	Brookes' Gram. Sch.	Kenyon, G.	Lister, W.	Constable, J.	17	23	6	..	5	..	..	..	2s. 6d. pr. qr.
Thornton (Bradford).	*Mech. Inst.*	*Craven, J.*	*Wright, T. H.*	*Sugden, W.*	..	..	..	..	..	..	..	..	1s. per qr.
Thrapstone	*Nat. Sch.*	*Bagshaw, Rev. W. S.*	*Goodman, Rev. J. P.*	*Graves, J. J.*	..	..	..	..	..	..	..	..	Nil.
Toddington (Dunstable).	*Brit. Sch.*	*Wilkinson, J. R.*	*Ibbs, C. W.*	*Roe, R. G.*	..	..	..	..	..	..	..	..	1s. 6d.
	Nat. Sch.	Cooper, W. C.	Clegg, Rev. J.	Billingham, E.	..	2	2	..	..	..	..	..	2s. 6d.
Toddington	*Wes. Sch.*	*Akehurst, Rev S. H.*	*Burchell, Rev. W.*	*Roberts, T.*	..	..	..	..	..	..	..	..	1d. per wk.
Todmorden	*Mech Inst.*	*Fielden, J., M.P.*	*Whitehead, J.*	*Kershaw, T.*	..	..	..	..	..	..	..	..	6s. per crse.
Topsham and Woodbury.	*Mut. Imp., Soc. and End. Sch.*	*Davy, D. B.*	*Roberts, W.*	*Sparkes, A. L.*	..	..	..	..	..	..	..	..	6d.
Torquay	Sci. and Art Sch.	Evanson, R. J.	Luxmoore, C. N.	Viccars, T.	63	90	27	..	28	23	1 B.	..	2s. 6d. to 21s. per subj.
Towcester	Nat. Sch.	Hesketh, Sir T. G. F., Bart., M.P.	Lightfoot, Rev. R. P.	Jones, J. C.	..	50	50	..	..	2	..	..	1d. per wk.
Truro	Brit. Sch.	Tweedy, R.	Clyma, G.	Snell, J.	..	17	17	..	..	..	..	..	2s. 6d. ea. subject.
Turton (Bolton)	Royal Inst.	Barham, C.	Smyne, J. O.	Collins, J. H.	..	24	24	..	..	..	..	..	5s.
	Chapel Town Inst.	Spencer, Rev. J. O. K.	Isherwood, W.	Stott, H., sen.	..	26	26	..	..	4	..	..	1s. 6d.
Tyldesley (Manchester)	Mech. Inst.	Green, G.	Lomax, W.	Stott, H., jun.	..	30	30	..	..	8	..	..	Nil.
Ulverstone	Proprietary Sch.	Fell, J.	Sykes, J. S.	Husband, W. Eckersley, H.	18	9	..	9	2	..	..	..	5s. ea. subj.
Wakefield	Industrial and Fine Arts Inst.	Lee, W. H.	Dixon, J. H.	Smith, W. Sturgeon, W. Patchett, I. Jefferson, S. Knowles, M.	..	18	18	..	..	4	..	..	5s.
"	Mech. Inst.												1s. to 5s.
"	Smyth St. Academy	Whitham, S.	"										
"	Trinity Ch. Sch.												2s. 6d. per quarter.
Walker	*Alkali Works Sch.*	*Thompson, Rev. C.*	*Steele, Rev. J.*	*Bewick, T.*	..	..	..	..	..	..	..	..	

List of Science Schools, giving the Number of Students, &c.—*continued.*

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					1868.	1869.			1868.	1869.	1868.	1869.	
Wallingford	*Sch.-room, Thames Street.*	*Hawkins, H.*	*Steer, C.*	*Gubb, E.*	..	..	..	..	..	..	..	..	Nil.
Walsall	*Wesley Day Schs.*	*Cox, S.*	*Brocksop, W. H.*	*Smith, D.* *Smith, A. F.*	..	..	..	..	..	..	..	..	1*s.* ea. subj.
Watford	*Lit. Inst.*	*Brett, A. T.*	*Wallis, W.*	*Fairman, J. B.*	..	..	..	..	..	..	..	..	9*d.* per mo.
Wednesbury	*St. John's Schs.*	*Bill, T.*	*Stoney, Rev. R. B.*	*Williams, J.*	..	..	..	..	..	..	..	..	1*d.* per nt. or 1*s.* 6*d.* per crse.
"	*Moxley Nat. Sch.*	*Wilson, Rev. J. P.*	*Pocock, R. R.*	*Williams, J.*	..	..	..	..	..	..	..	..	1*d.*pr. night.
Weedon	Girls' Sch.	Winter, Rev. J. S.	Williamson, A.	Norman, S. A.	..	42	42	..	..	..	..	..	2*s.*
Wellingborough	Lower Gram. Sch.	Sherwood, R. W.	Roxby, Rev. H. M.	Winterton, W. Genner, B. Percival, W. Sanders, W. F.	30	52	22	..	12	4	..	..	2*s.* 6*d.*
West Bromwich.	St. Peter's Sch.	Jordan, T.	Massey, Rev. C.	Hill, S. T.	..	20	20	..	..	..	..	..	2*s.* 6*d.*
Westbury-on-Trym.	Girls' Sch.	Bright, Rev. J. H.	Pease, T.	Gandee, A. G.	..	36	36	..	..	9	..	..	2*s.* per mo.
West Gorton (Manchester).	St. Mark's N. S.	Connell, Rev. A.	Jackson, T.	Ward, R. P.	..	25	25	..	..	..	..	..	1*d.* per nt.
Whaleybridge	Spring Bank Chapel	Kirk, J.	Colles, A. H.	Jackson, R.	19	12	..	7	2	1	..	..	3*s.*
Whitehaven	*Scient. Assoc.*	*Dalton, Rev. M. S.*	*Taylor, B.*	*Tosh, E. G.* *Kitchen, A.* *Moon, M. A.* *Pickering, R.*	..	..	..	..	..	..	..	..	1*s.*to2*s.*6*d.* each sub.
Whitworth (Rochdale).	Lit. Inst.	Kay, E. G.	Wolfenden, J.	Sutcliffe, G. W.	..	24	24	..	..	3	..	..	5*s.*
Wickham Market (Suffolk).	*Nat. Sch.*	*Image, Rev. W. T.*	*Read, C. H.*	*Bales, W. J.*	..	..	..	..	..	..	..	..	8*s.*
Wigan	Mech. Inst.	Fergie, Rev. T. F.	Peace, M. W.	Betley, R. Percy, C. M. Hay, R.	71	91	20	..	17	6	1 B.	..	4*s.* to 2*l.* 16*s.* per subject.
Wilmslow (Cheshire).	*Fulshaw Day Sch.*	*Somerville, T.*	*Jessop, W.*	*Dale, J.*	..	..	..	..	..	..	..	..	2*s.* per qr.
Wilsden(Bingley).	Mech. Inst.	Clapham, P.	Watmuff, W. G.	Severs, G.	..	11	11	..	..	1	..	..	2*s.* 6*d.*
Winchester	*Brit. Sch.*	*Underwood, R.*	*Reynolds, S. P.*	*Barter, W. A.*	..	..	..	..	..	..	..	..	5*s.* ea. sub.

Appendix B.

SCIENCE SCHOOLS. RESULTS.

Windsor	Mech. Inst.	Chamberlain, T.	Lundy, J.	Dorrell, H. B.	..	30	30	..	..	5	..	[illegible]	[illegible] per qr.
Wisbech	Wkg. Men's Inst.	Scott, Rev. J.	Balding, A.	Miller, S. H.	24	40	16	..	7	..	..	[illegible]	[illegible] per qr.
Woburn	*Boy's Sch.*	*Cumberlege, Rev. S. F.*	*Shepherd, Rev. R.*	*Assbee, J.*	..	..	..	..	..	..	..	[illegible]	Nil.
Woking (Surrey)	St. John's Sch.	Wilks, Rev. T. C.	McCormack, R.	Goffin, R. Goffin, Mrs. J.	..	53	53	..	..	..	..	..	4*s.*
Woking Station	*Com. Sch., Knaphill*	*Brushfield, T. W. G.*	*Radford, J. C.*	*Rushforth, T.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* pr. qr.
Wolverhampton *Wolverhampton*	St. Peter's Inst. *G. W. Ry. Inst.*	Iles, Rev. J. H.	Langley, J. N.	Horton, F. C. Berry, E. Stanier, W. H. Golby, T.	38	64	26	..	13	3	..	1 S.	1*s.* 6*d.* to 5*s.*
"	St. John's Sch.	Hampton, Rev. H.	Hilliard, Rev. A. B.	Board, G.	4	18	14	..	..	..	..	..	8*s.* per sess.
Wolverton (Bucks.)	Sci. and Art Inst.	Mumford, A. C.	Meadley, J.	Harnett, F. W. Nichols, T. Davison, W. Moore, T.	65	82	17	..	18	7	..	..	4*s.* 6*d.* per quarter.
Woodville (Burton-on-Trent)	Nat. Sch.	Wilmshurst, Rev. A. T.	Betterton, H. I.	Binns, A.	..	13	13	..	..	2	..	..	4*s.* per qr.
Woolwich	Roy. Arsl. Sci. Classes	Oram, W. E. S.	Keeble, W. D.	Jones, T. Noble, J. Clarke, J. J. Crowe, J. Jones, E. S. L. Duckett, W. Brittle, J. R. Brown, L. Purnell, J. W.	144	171	27	..	55	42	1 B.	1 B.	2*s.* 6*d.* to 10*s.* per subject.
"	Nat. Sch.	Brown, Rev. H.	Harrison, Rev. F. S.	Farlie, C. J. Wilson, J.	40	55	15	..	33	2	..	..	5*s.*
"	Presbyterian Schs.	Thompson, Rev. W. M.	Ronald, H.	Jones, T. Browne, L. Courtman, R. J. Downar, W. A. McDougall, H. S. Browne, Mrs.	98	125	27	..	8	1	..	..	Nil.
"	St. Michael's Sch.	Baker, Rev. H. R.	Walter, J. W.	Byatt, H.	15	84	19	..	13	1	..	..	5*s.*
Worcester	Young Men's Christ. Assoc.	Barnett, R. E.	Day, H.	Ewens, F. T. Pember, J. Cradock, E. W.	71	104	33	..	19	16	..	..	2*s.* 6*d.* ea. sub.
Worcester	*Trade School*	*Blair, Rev. R. H.*	*Eaton, F.*	*Spencer, J.* *Evans, R.*	..	..	..	..	..	..	..	..	5*s.* 6*d.* to 10*s.* 6*d.*
"	" (*Evg. Classes*)	" "	"	*Spencer, J.*	..	..	..	..	..	..	..	..	4*s.* ea. sub.
"	*St. John's Sch.*	*Wood, Rev. J. R.*	*James, Rev. J. C.*	*Walker, S.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* ea. sub.

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List of Science Schools, giving the Number of Students, &c.—*continued.*

Town.	Where held.	Chairman.	Secretary.	Teacher.	Number of Individuals under Instruction.		Increase.	Decrease.	Number of Prizes.		Number of Medals.		Fees paid by Students.
					1868.	1869.			1868.	1869.	1868.	1869.	
Yarmouth, Gt.	Sch. of Navigation and Gram. Sch.	Wolverton, C.	Bracey, J.	Stockton, W.	81	98	17	..	1	1	..	..	6*d.* to 5*s* per week per subj.
Yarmouth, Gt.	*Sch. of Art*	*Wolverton, C.*	*Cubitt, F. A.*	*Dominy, J. S.*	..	..	..	..	..	..	..	..	2*s.* per mo. each sub.
York	Institute	Palmer, Rev. H. V.	Williams, J.	Proctor, W.; Greenwell, Rev. W.; Robinson, E.; Senior, W. C.	80	51	..	29	6	2	..	..	Nil.
„	Bluecoat Sch.	Richardson, W.	Ford, J.	Robinson, E.	..	20	20	..	..	1	..	..	Nil.
„	Training Sch.	Hey, Rev. W.	Bresher, Rev. M. R.	Rowe, Rev. G.	..	16	16	..	..	..	..	..	Nil.
York	*Brit. Sch., Hope St.*	*Rowntree, J.*	*Sessions, W.*	*Pumphrey, W.; Thompson, R.*	..	..	..	..	..	..	..	..	Nil.
„	*Sch. of Art*	*Hey, Rev. W.*	*Procter, W.*	*Swallow, J. C.; Stephenson, J. F.*	..	..	..	..	..	..	..	..	5*s.* 3*d.* to 31*s.* 6*d.*
				SCOTLAND.									
Aberdeen	Mech. Inst.	Urquhart, R.	Sinclair, J.	Beveridge, R.; Mavor, D.	61	280	219	..	3	2	..	..	6*s.* to 10*s.* per subj.
Alexandria (Ayrsh.)	Mech. Inst.	Ewing, J. O.	Greenlees, W.	Tatlock, R. R.; Millar, W. J.; Andrew, D.	..	99	99	..	..	..	..	..	4*s.* to 9*s.*
Baillieston (Glasgow).	*Crosshill Sch.*	*Ramsay, Rev. H.*	*Dickson, J.*	*Jarvie, P.*	..	..	..	..	..	..	..	..	3*s.*
Banton (Denny).	Public Sch.	McPherson, J.	Walker, J.	Forbes, M. C.	..	17	17	..	..	4	..	..	5*s.*
Beith	New St. Sch.	Muir, W.	Kerr, J.	Cook, W.	7	24	17	..	..	..	..	..	3*s.* 6*d.* per quarter.
Brechin	Free Ch. Sch.-room	Scott, D.	Craig, J.	Cameron, J.	..	31	31	..	..	..	..	..	6*d.* per month.

Corsock (Dalbeattie)	Girls' Sch.	Sturrock, Rev. G.	Currie, R.	Macomish, M.	18	12	..	1	4	..	..	..	1s. each subject.
Cults (Aberdeensh.)	Schoolroom	Paul, Rev. W.	Taylor, J.	Summerfield, E.	..	13	13	..	..	2	..	..	2s. 6d.
Dingwall	*Academy*	*Davidson, D.*	*Joass, W. C.*	*Boyd, J.*	..	..	..	..	..	..	..	..	5s.
Dumbarton	Burgh Academy	Paul, M.	Babtie, J.	Dickie, H. Anderson, W. Cormack, A.	12	114	102	..	..	6	..	..	10s. each subject.
Dundee	High Sch.	Thoms, W.	Cumming, A. W.	Kennedy, J.	70	90	20	..	6	5	1 G., 1 B.	..	6s. per 3 months.
Edinburgh	Free Ch. Trg. Coll. Watt Inst. and Sch. of Arts 15, *Buccleuch Pl.*	Law, W.	Archer, T. C.	MacAdam, S. Lees, W. Pryde, J. Kennedy, W. *Davidson, Dr.*	..	49	49	..	..	13	..	..	Nil.
"					..	377	377	..	..				
Edinburgh					..	..	..	..	..	..	..	..	5s. ea. sub.
"	*Est. Ch. Trg. Coll.*	*Cook, Rev. J.*	*Laurie, S. T.*	*Mackinlay, P.* *Currie, Rev. J.*	..	..	..	..	..	..	..	..	Nil.
Elgin	*New Mill Manuf. and Iron Works*	*Russell, A.*	*Duff, T. D.*	*Pattison, R.* *Russell, T.*	..	..	..	..	..	..	..	..	5s. each subject.
Fortrose (Inverness).	*Mech. Inst.*	*Mackenzie, A. R.*	*Smith, J.*	*Young, Rev. R. C.*	..	..	..	..	..	..	..	..	2s. 6d.
Glasgow	Sec. Sch.	McClelland, J.	Cunliff, R. S.	Mayer, J. Lochore, J. Stone, W. Mayer, Mrs.	80	113	33	..	22	6	..	..	2s. 6d. to 6s. per qr.
"	Anderson's Univy.	Young, J.	Martin, G.	Herschel, A. Buchanan, G. Macadam, S. Laing, A. Hennedy R.	730	1,013	283	..	33	10	1 B.	..	2s. 6d. per quarter to 21s. per session.
"	Mech. Inst.	Neilson, W. M.	Anderson, J.	Thom, A. H. Moffatt, R. C.	950	500	..	450	7	..	1 S.	..	4s. per 6 months to 6s. 6d. per qr.
"	Est. Ch. Trg. Coll.	Craik, Rev. J.	Snodgrass, G. W.	Dixon, E. M.	..	74	74	..	..	9	..	..	Nil.
Glasgow	*St. George's Sch.*	*Craik, Rev. J.*	*Snodgrass, G. W.*	*Mayer, J.*	..	..	..	..	..	..	..	..	1s.
"	*St. Stephen's Par. Sch.*	*Miller, Rev. T.*	*Watson, T. H.*	*Macaulay, J.*	..	..	..	..	..	..	..	..	1s. to 2s. 6d. per qr.
"	*Port Dundas Sch.*	*Macleod, Rev. D.*	*Ker, W.*	*Mayer, J.*	..	..	..	..	..	..	..	..	1s.
Inverness	Sci. and Art Sch.	Simpson, A.	Galloway, G.	Pratt, R.	27	18	..	9	3	..	..	..	4s. to 6s. per qr.
Inverness	*Royal Academy*	*Thrum, H.*	*Hay, A. P.*	*Duncan, W. S.* *Eadie, W.*	..	..	..	..	..	..	..	..	6s. to 10s. 6d.
Johnstone	*Quarrelton Par. Sch.*	*Donald, J.*	*Malloch, W., jun.*	*Mayor, J.*	..	..	..	..	..	..	..	..	1s. 6d.

List of Science Schools, giving the Number of Students, &c.—*continued.*

Town.	Where held.	Chairman.	Secretary.	Teacher.	Number of Individuals under Instruction.		Increase.	Decrease.	Number of Prizes.		Number of Medals.		Fees paid by Students.
					1868.	1869.			1868.	1869.	1868.	1869.	
Kilmarnock	East George Street	Dickie, J.	MacKay, J.	Stevenson, J. Hastie, W. McCulloch, W. Neil, J.	76	127	51	..	14	..	..	..	2s. 6d. to 5s. ea. sub.
"	Princes Street			Johnston, R.	..	50	50	..	..	8	..	..	5s. ea. subj.
Kilmarnock	*Sch. of Art*			Dunlop, P. Gunnyon, Wm. Grant, T. Black, F. M.	..	..	..	..	..	..	..	..	Included in Art.
Kirkcaldy	*People's Inst.*	*Swan, P. D.*	*Findlater, J.*	*Aikman, G.*	..	..	..	..	..	..	..	..	3s. to 6s.
Kirkwall	Gram. Sch.	Robertson, J.	Heddle, P. S.	Watson, J.	10	53	43	..	..	..	..	..	2s. 6d. ea. subject.
Leith	Navigation Sch.	Watt, J.	Thomson, Rev. J.	Bolam, J.	228	289	61	..	..	1	..	..	1s. 3d. per week, 5s. per course per each subject.
Leith	*St. James' Sch.*	*Blanshard, G.*	*Falconar, Rev. J. S.*	*Jackson, Rev. G.* *Hodson, S.*	..	..	..	..	..	..	..	..	Nil.
"	*Sch. of Art*	*Watt, J.*	*Thomson, Rev. J.*	*Bain, R. L.*	..	..	..	..	..	..	..	..	2s. per mo.
Lumphanan (Aberdeen).	*Par. Sch.*	*McCombie, Rev. C.*	*Milne, J.*	*Cramond, W.*	..	..	..	..	..	..	..	..	2s. 6d.
Nairn	*Genl. Assemy. Sch.*	*Burns, Rev. J.*	*Wilson, J. H.*	*Dick, J.*	..	..	..	..	..	..	..	..	1s. to 1s. 6d. per mo.
Newhills (Aberdeen).	Stoneywood Sch.	Smith, Rev. J.	Black, G.	Williamson, W. A.	17	30	13	..	..	2	..	..	8s.
Paisley	*George St. Sch.*	*Cowan, H.*	*Martin, F.*	*Mayer, J.*	..	..	..	..	..	..	..	..	1s.
"	*Sch. of Art*	*Murray, D.*	*Hodge, W.*	*Stewart, W.*	..	..	..	..	..	..	..	..	5s. per qr.
Perth	Sch. of Art	Barclay, H.	McNeill, J.	Stevenson, R. J.	..	15	15	..	..	3	..	..	6s. per qr.
Rothesay	*Thomson Inst.*	*Macbeth, D.*	*McEwen, J.*	*Fraser, D. D.*	..	..	..	..	..	..	..	..	3s. 6d.
St. Andrew's	*Madras Coll.*	*Milton, W. T.*	*Lees, G.*	*Brodie, J.* *Patterson, A.*	..	..	..	..	..	..	..	..	4s. to 6s. per subj.
Stirling	Sch. of Art	Murrie, J.	Shearer, R. S.	Baker, L.	..	18	18	..	..	2	..	..	2s. 6d. per mo. to 6s. per qr.
Tarbat	Parochial Sch.	Campbell, Rev. G.	Mackie, J.	Fraser, Rev. D.	16	41	25	..	1	..	..	..	4s.

Aghnagar	*Nat. Sch.*	*Crossle, J.*	*Clements, M.*	*Bothwell, T. H.*	..	..	..	..	..	..	..	..	Nil.
Ihoghill (*Ballymena*)	„	*Rowan, Rev. R. W.*	*Millar, W.*	*McIlroy, H.* / *McIlroy, R.*	..	..	..	..	..	..	..	..	2*s.* 6*d.*
Anahilt (co. Down).	School-room	Erwin, Rev. R. S.	Moorhead, Rev. R.	Clements, A.	..	19	19	..	..	..	..	..	Nil.
Antrim	Main St. N. S.	Massareene, The Viscount	Taggart, W. J.	Bonar, J. / Foley, M. R. / Savage, H. / Stewart, J.	66	78	12	..	14	3	..	..	2*s.* 6*d.* to 4*s.* per subject.
„	Male N. S.												
Antrim	*Ladyhill N. S.*												
Ardara (co. *Donegal*)	*Female N. S.*	*Evans, J. M. B.*	*Brenan, J.*	*O'Roddy, J.* / *Ward, J. C.*	..	..	..	..	..	..	..	..	2*s.* 6*d.*
Armagh	College Street and Gosford Pl. Schs.	McAlister, Rev. J. R.	Osborne, A. T.	Lee, H. / McKimm, S.	..	..	..	..	..	..	..	..	2*s.* 6*d.* ea. subject.
Athlacca (*Kilmallock*)	*Nat. Sch.*	*Synan, E. J., M.P.*	*Quaid, Rev. D.*	*Quinn, J.*	..	..	..	..	..	..	..	..	Not yet arranged.
Athlone	Parochial Sch.	Handcock, Hon. R. J.	Joly, Rev. J. S.	James, M. H.	37	50	13	..	16	3	2 B.	..	Nil.
„	Ranelagh Sch.	Pidgeon, W.	Foster, Rev. R.	Macintosh, W. T. / Quinton, R. F.	32	36	4	..	35	1	..	..	Nil.
Athlone	*Anchors Bower Sch.*	*Maxwell, P.*	*Gleeson, E. M.*	*Finnegan, H.*	..	..	..	..	..	..	..	..	Nil.
Athy	*Town Hall*	*Kynsey, T. B.*	*Cross, W. C.*	*Henderson, J. J.*	..	..	..	..	..	..	..	..	Total, 80*s.*
Aughnacloy (*co. Tyrone*)	*Court House*	*Scott, W.*	*McKay, W. C.*	*Wilson, D.*	..	..	..	..	..	..	..	..	Tobecomputed.
Bagenalstown (co. Carlow)	Nat. Sch.	Hagarty, E.	Morrin, Rev. P.	Fitzgerald, E. / Cox, J. S.	39	52	13	..	7	2	..	..	2*s.* 6*d.* ea. subject.
Bailieboro' (co. Cavan)	Mod. Sch.	Dalton, G. T	Simpson, A. J.	Doherty, J. J.	84	125	41	..	38	20	1 G. / 1 S.	..	2*s.* 6*d.*
Ballee (*co. Antrim*)	*Nat. Sch.*	*Patrick, J. B.*	*Wasson, S.*	*Hatton, S.*	..	..	..	..	..	..	..	..	Nil.
Ballincollig (*co. Cork*)	„	*Rowntree, G.*	*Riorden, D. J.*	*Reynolds, E.*	..	..	..	..	..	..	..	..	Nil.
Ballybay (co. Monaghan)	Nat. Sch.	Ffennell, Rev. R., A.B.	McMurray, T.	Beatty, R.	..	16	16	..	..	1	..	..	2*s.* 6*d.*
Ballyboyfey (*co. Donegal*)	*Town Hall*	*Johnston, J. S.*	*Millar, A.*	*Patterson, W.*	..	..	..	..	..	..	..	..	2*s.* 6*d.*
Ballymena	Mod. Sch.	Rowan, Rev. R. W.	Wilson, D. M.	Shannon, A. F.	18	28	10	..	4	2	..	..	Nil.
„	Guy's Nat. Sch.	Patrick, J.	Killen, J.	Alexander, J.	..	28	28	..	..	1	..	..	2*s.* 6*d.*
„	Crebilly N. S.	Kidd, A.	Lynch, Rev. J.	McCormick, J.	..	5	5	..	..	..	..	..	2*s.* 6*d.*
Ballymena	*Nat. Sch.*	*Kidd, A.*	*Lynch, Rev. J.*	*Black, R.*	..	..	..	..	..	..	..	..	2*s.* 6*d.*
„	*Harryville N. S.*	„	„	*O'Neill, A.*	..	..	..	..	..	..	..	..	2*s.* 6*d.*
Ballymoney (co. Antrim).	Town Hall	McElderry, T.	McElroy, S. C.	Elliott, T.	..	39	39	..	..	2	..	..	Nil.
Ballynahinch (co. Down).	„	Anketell, W. R.	Bruce, W. J.	Priestley, J. R.	..	29	29	..	..	..	..	..	Nil.
„	Alfred St. N. S.	„	„	Goodman, J.	..	12	12	..	..	..	..	..	2*s.* 6*d.*

List of Science Schools, giving the Number of Students, &c.—*continued.*

Town.	Where held.	Chairman.	Secretary.	Teacher.	Number of Individuals under Instruction.		Increase.	Decrease.	Number of Prizes.		Number of Medals.		Fees paid by Students.
					1868.	1869.			1868.	1869.	1868.	1869.	
Ballywicknakelly (co. Down)	*Nat. Sch.*	*M'Kee, Rev. J.*	*Strain, Rev. J. K.*	*Mackintosh, J.*	..	..	..	..	..	..	..	..	2*s.* ea. subj.
Ballywalter (co. Down)	Park Sch.	Wilson, Rev. H.	Magill, Rev. D.	McConkey, J. Purse, W.	..	56	56	..	..	..	..	..	2*s.* 6*d.* ea. subject.
Ballywilly (co. Armagh)	Nat. Sch.	Irwin, Rev. J.	Keegan, T.	Lee, H. Lee, S.	19	23	4	..	..	..	..	..	2*s.* 6*d.*
Balyna	*Nat. Sch.*	*O'Ferrall, A. M.*	*Bourke, C.*	*Traynor, J.*	..	..	..	..	..	..	..	..	Nil.
Bandon	*Allin Inst.*	*Wheeler, J.*	*Eccles, Rev. R. G.*	*Bateman, T.*	..	..	..	..	..	..	..	..	Nil.
Bangor (co. Down).	Endowed Sch.	Binney, Rev. R.	Patteson, Rev. W.	Harvey, I.	..	25	25	..	..	..	..	..	Nil.
Barnesmore (co. Donegal).	*Nat. Sch.*	*Pope, R. H.*	*Dunlevy, J.*	*Ward, C. H.*	..	..	..	..	..	..	..	..	2*s.* 6*d.*
Belfast	Union Place N. S.	Taylor, D.	Shepherd, W.	Anderson, J.	..	25	25	..	..	..	..	..	5*s.*
„	May Street	„	„	Cullen, W.	..	..	..	..	..	..	..	..	2*s.* 6*d.*
„	Fisherwick Pl. N. S.	„	„	Cleeland, R. Elliott, T.	83	76	..	7	18	6	1 B.	..	5*s.* ea. subj.
„	Conway St. N. S.	„	„	Kerrigan, J.	..	23	23	..	..	..	..	..	Nil.
Belfast	*New Road St. N. S.*	*Taylor, D.*	*Shepherd, W.*	*Burrowes, Miss C. W.*	..	..	..	..	..	..	..	..	Nil.
„	*Wellington Acad.*	„	„	*Perry, J.* *Whitford, W.*	..	..	..	..	..	..	..	..	7*s.* 6*d.*
„	*Victoria Place Sch.*	„	„	*Boal, J.*	..	..	..	..	..	..	..	..	2*s.* 6*d.*
„	*Nat. Sch., Townshend St.*	„	„	*Erskine, W.*	..	..	..	..	..	..	..	..	5*s.*
„	*Northumberland St. Nat. Sch.*	„	„	*Small, H.*	..	..	..	..	..	..	..	..	Nil.
„	*Albion St. N. S.*	„	„	*Dunlop, S.*	..	..	..	..	..	..	..	..	2*s.* 6*d.*
„	*Tennent St.*	„	„	*Trodden, P.*	..	..	..	..	..	..	..	..	Nil.
„	*Queen's Bridge N. S.*	„	„	*Brown, R.*	..	..	..	..	..	..	..	..	Nil.
„	*Nat. Sch., Academy St.*	„	*Hanna, Rev. H.*	*Burrowes, Miss C. W.*	..	..	..	..	..	..	..	..	Nil.
Belfast	Model Sch.	Jones, Rev. R. G.	Molloy, J.	Doran, G. Wren, E. Smeeth, R.	141	122	..	19	40	8	..	..	20*s.* to 50*s.*

„ - -	Academy St. N. S. -	McCausland, S. -	Hanna, Rev. H.	Barbour, S. - - / Campbell, D. -	13	29	16	..	7	6	..	..	Nil.
„ - -	Peoples's Lit. Inst. -	Cottar, Rev. W. -	Maitland, F. A.	Perry, J. - - / Whitford, W. - / Small, H. -	..	117	117	..	..	3	..	..	9s. per subj.
„ - -	Brown St. Sch. -	Lytle, J. - - -	Johnston, Rev. W.	Donaldson, T. - / Keatley, W. J. -	..	80	80	..	..	2	..	..	Nil.
„ - -	Nelson St. N. S. -	Knox, Rev. R. - -	Hannah, S. -	Bingham, H. -	..	14	14	..	..	5	..	..	Nil.
Belfast - -	*Frederick St. N. S.*	*Guard, Rev. W.* -	*Jones, Rev. J. W.*	*Bingham, E.* - -	..	..	..	..	..	..	..	..	10s. ea. if they do not come up for exam.
„ - -	*Linfield Road N. S.*	*McCausland, S.* -	*Hanna, Rev. H.*	*Thompson, J.* - -	..	..	..	..	..	..	..	..	Nil.
„ - -	*Mercantile Acad.* -	*Browne, T. H.* -	*Greenlees, Rev. J.*	*Pyper, J.* - -	..	..	..	..	..	..	..	..	5s.
„ - -	*Clarence Place Hall*	*Johnston, W. J.* -	*Allworthy, E.* -	*Cleeland, R.* - - / *Wilson, P.* - -	..	..	..	..	..	..	..	..	5s. ea. subj.
„ - -	*Canning St. Acad.* -	*Coates, J.* - -	*Pyper, J.* - -	*Ledlie, A.* - -	..	..	..	..	..	..	..	..	Nil.
Beragh (co. Tyrone) -	*Loan Fund Office* -	*Ellis, F.* - - -	*Dixon, Rev. R. V.*	*Martin, W. H.* -	..	..	..	..	..	..	..	..	5s.
Bessbrook (Newry).	School-house -	Lett, H. W. - -	Wonfor, W. J. -	Sands, T. -	21	12	..	9	2	..	..	..	2s. 6d.
Bonecastle (Downpatrick).	*Nat. Sch.* - -	*Bell, J. H.* - -	*Bell, J.* - -	*Nesbitt, J.* - -	..	..	..	..	..	..	..	..	Nil.
Bornafea (co. Kilkenny).	„ - -	*Kinsella, Rev. B.* -	*Lyons, Rev. N.* -	*Walshe, J.* - -	..	..	..	..	..	..	..	..	3s. 6d.
Bruckless (co. Donegal).	„ - -	*Cassidy, S.* - -	*Kelly, Rev. P.* -	*O'Roddy, J.* - -	..	..	..	..	..	..	..	..	2s. 6d. ea. subject.
Bushmills (Coleraine)	*Nat. Sch.* - -	*Boyle, Rev. J.* - -	*Kirkpatrick, Rev. J. G.*	*Elliott, D.* - -	..	..	..	..	..	..	..	..	2s. 6d.
Caledon (Armagh) -	Infant Sch. - -	Alexander, R. - -	Armstrong, Rev. W. B. -	Wilkin, R. D. - / Wilson, C. E. -	..	17	17	..	..	..	..	..	2s. 6d.
Callan - -	*Academy* - -	*O'Keeffe, Rev. R.* -	*Sweeny, M.* -	*Hawe, W.* - -	..	..	..	..	..	..	..	..	Nil.
Carlow - -	Chrn. Sch. - -	Tyman, M. F. - -	McGrath, D. -	Mayne, A. J. - -	21	20	8	..	1	4	..	..	2s. 6d. per annum.
Carrickfergus	Mod. Sch. - -	Birnie, T. M. - -	Pasley, D. - -	Stevenson, J. M. -	42	59	17	..	16	8	..	..	5s.
Castleblaney -	*Annayallo N. S.* -	*Wolfe, Ven. J. C.* -	*Flanagan, P.* -	*Beatty, R. C.* - / *McAdam, J.* -	..	..	..	..	..	..	..	..	2s. 6d. ea. subject.
Castlederg (co. Tyrone)	The Edward's Sch. -	Edwards, Rev. E. -	Crockett, Rev. J.	McGrenahan, W. / Colhoun, C. - -	..	25	25	..	..	..	..	..	Nil.
Castlewellan (co. Down).	*Annsboro' N. S.* -	*Shaw, W.* - -	*Murland, C.* -	*Bell, J.* - - -	..	..	..	..	..	..	..	..	2s. 6d. ea. subject.
Cloncore (co. Armagh) -	Nat. Sch. - -	Robinson, Rev. G. -	Clements, Rev. W.	Carson, R. - - / McNamee, T. -	..	8	8	..	..	6	..	..	2s. 6d. ea. subject.
„ - -	Eglish Nat. Sch. -	McVarry, Rev. T. -	McNulty, Rev. P. -	„ - -	51	20	..	31	5	..	..	..	2s. 6d. ea. subject.
Clonmel - -	*Model Sch.* - -	*Woods, E.* - -	*O'Hara, T.* -	*Stevenson, T.* - -	..	..	..	..	..	..	..	..	80s. to 82s. 6d. per subj.

List of Science Schools, giving the Number of Students, &c.—*continued.*

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					1868.	1869.			1868.	1869.	1868.	1869.	
Clonmel	*Sch. of Art*	*Hackett, J.*	*Purcell, P. J.*	*Fraser, E. A.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* to 5*s.*
Coalisland (co. *Tyrone*).	*Infant Sch.*	*Young, Rev. W. J. M.*	*Foster, Rev. J.*	*Campbell, W.*	..	..	..	..	..	..	..	..	Nil.
Coleraine	Mod. Nat. Sch.	Bruce, Sir H. H., M.P.	Bole, W.	Breslaud, J. Cassidy, H.	60	28	..	32	14	5	..	..	2*s.* 6*d.* to 5*s.* per subj.
Comber	Smyth's Nat. Sch.	Rogers, Rev. J.	Rogers, T.	Minniss, J. Cleland, J. M.	96	92	..	4	15	1	..	..	5*s.*
„	Lisbarnet Nat. Sch.	Anderson, Rev. D.	Smiley, W.										
Connor (co. *Antrim*).	*Nat. Sch.*	*Johnston, Rev. W.*	*Lyle, Rev. S.*	*Allen, D.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* 5*s.*
Cooraclare	Nat. Sch.	O'Gorman, N. S.	Meehan, Rev. P.	McDermott, C.	40	71	31	..	14	23	..	..	2*s.* 6*d.*
Cork	Central Model Sch.	Macnamara, Rev. A. D.		Latchford, G. D. Gibson, A. Dwyer, R.	65	61	..	4	34	4	1 B.	..	Nil.
„	Carmichael Schs.	McOstrich, A.	Magill, Rev. W.	Robinson, J. „ N.	..	78	78	..	..	5	..	..	2*s.* 6*d.*
Cork	*St. Nicholas N. S.*	*Webster, Rev. G.*	*Wilson, Rev. A. B.*	*Crawford, J. B.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* ea. subject.
„	*Sch. of Art*	*Hewitt, T.*	*Dunscombe, T. S.*	*Brenan, J.*	..	..	..	..	..	..	..	..	10*s.* per sess.
Cormeen (co. Monaghan)	Nat. Sch.	Bailey, Rev. W. R.	Fleming, T.	McClean, W.	..	31	31	..	..	..	..	..	2*s.* 6*d.* ea. subject.
Cottown (co. *Down*).	*Nat. Sch.*	*McMinn, A.*	*Clarke, Rev. W.*	*Simpson, J.*	..	..	..	..	..	..	..	..	Nil.
Crossgar (co. *Down*).	*Nat. Sch.*	*Cleland, J.*	*Thomson, Rev. J. G.*	*Wright, J.*	..	..	..	..	..	..	..	..	2*s.* 6*d.*
Cullybackey (*Belfast*)	„	*Patrick, J.*	*Hamilton, Rev. H.*	*Craig, W.*	..	..	..	..	..	..	..	..	8*l.* 15*s.* total sum.
„	*Teesham N. S.*	*Kirkpatrick, Rev. A. T.*	*Gray, Rev. R.*	*Millar, J.*	..	..	..	..	..	..	..	..	2*s.* 6*d.*
Derrygonnelly (co. Fermanagh)	Lisded N. S.	Reade, Rev. L.	McNulty, Rev. T.	Magennis, P.	..	16	16	..	..	..	..	..	2*s.* 6*d.* ea. subject.
Derrylin (co. Fermanagh).	Kinawley N. S.	Benison, J. J.	Winslow, H. M.	Doogan, P.	..	11	11	..	..	1	..	..	2*s.* 6*d.*
Donaghadee (co Down).	Shore St. N. S.	McMinn, A.	M'Aulay, Rev. J.	Milliken, J.	..	16	16	..	..	7	..	..	Nil.
Donaghadee	*High St. N. S.*	*McMinn, A.*	*M'Aulay, Rev. J.*	*Young, W. J.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* ea. subject.

Donoughmore (co. Down)	Lecture Room	Quinn, Rev. J. C.	Elliott, Rev. J.	Williams, T. M.	..	14	14	..	..	..	..	..	2s. 6d. ea. subject.
Downpatrick	Nat. Sch.	Pilson, C.	Clarke, J.	Fitzpatrick, S.	..	53	53	..	1	..	..	..	2s. 6d.
Drogheda	St. Mary's Inst.	Mathews, Rev. T.	McGreevy, N.	Dolan, J.	29	31	2	..	7	..	..	..	4s.
Dromara (co. Down)	Court House	Craig, Rev. W.	Patton, Rev. W. J.	Mackintosh, J.	..	..	..	..	..	..	..	..	2s. 6d. ea. subject.
Dromore (Tyrone).	Corbally N. S.	Simpson, Rev. S. H.	McKenna, Rev. E.	Donnelly, T.	..	..	..	..	..	..	..	..	Nil.
Drumarish (co. Donegal).	Nat. Sch.	Johnston, J.	Johnston, J.	Patterson, W.	..	..	..	..	..	..	..	..	1s.
Drumlaugh (co. Down).	Nat. Sch.	Chambers, J.	McClelland, Rev. J.	Mackintosh, J.	..	12	12	..	2	..	..	..	2s. 6d.
Dublin	Central Model Sch.	Newell, W. H.	Butler, E.	Joyce, P. W. Sweeth, J. F.	127	213	86	..	31	7	..	..	Nil.
Dublin	Wes. Sch., George's St. South.	Sibthorpe, J.	Ker, Rev. J.	Marshall, J.	..	..	..	..	..	..	..	..	Nil.
"	Young Men's Chr. Assoc.	Stanford, Rev. C. S.	Gibson, Rev. B.	Scott, J. M.	..	..	..	..	..	..	..	..	Nil.
"	55, Aungier St.	West, Very Rev. J.	Hackett, Rev. J. W.	Anderson, D.	..	..	..	..	..	..	..	..	Nil.
Dundalk	Free Library	Neville, J.	Hesse, J.	Lyons, Michael McEwen, Hugh Leonard, T. Armstrong, G. Turner, J. W. McLoughlin, J. S.	62	90	28	..	52	52	1 G.	1 B.	3s. ea. sub.
"	Quay St. Sch.												
"	Educl. Inst.												
"	Jocelyn St. Sch.												
Dundrod (co. Antrim).	Nat. Sch.	Magill, Rev. W.	Sinclair, R.	Wallace, R.	..	..	..	..	..	..	..	..	Nil.
Dundrum (co. Down).	Endowed Sch.	Cuppage, Rev. A.	Napier, Rev. W.	Ringland, J.	..	..	..	..	..	..	..	..	5s.
Dungannon	Society's House	Newton, C.	Gaussen, Rev. E. J.	Orr, J.	..	29	29	..	..	..	..	..	Nil.
Dungiven (co. Londonderry).	Nat. Sch.	Mooney, Rev. D.	Morrison, R.	McKinty, C.	..	..	..	..	..	..	..	..	2s. 6d.
Dunmanway	Model Sch.	Bryan, J. H.	Hungerford, H. J.	Donovan, D.	..	..	..	..	..	..	..	..	Nil.
Edermy (co. Monaghan).	Raenoscrena, N. S. Moneyvrice and Aghagaffart N. S.	O'Reilly, Rev. J.	McGuigh, Rev. E.	Donnelly, T.	..	..	..	..	..	..	..	..	Nil. Nil.
Enniskillen	Model Nat. Sch.	Greer, Rev. S.	Bagot, E.	Morris, C.	..	39	39	..	..	..	..	..	2s. 6d. to 5s.
Enniskillen	Rossdoney Nat. Sch.	Budd, Rev. T.	Carroll, Rev. P.	Doogan, P.	..	51	8	..	5	..	..	..	3s. 6d.
Galway	Model Sch.	Persee, T. M.	Gordon, J.	Moylan, J.	43	49	14	..	8	2	..	..	Nil.
Gilford	Mill Sch.	M'Master, J. W.	Whiteside, T. R.	Martin, H.	35	..	..	..	..	..	..	..	Nil.
Grange O'Neilland.	Parochial Sch.	Ard, Rev. A. J.	Irwin, Rev. A.	Baile, R.	..	..	..	..	..	..	..	..	
Greyabbey (co. Down).	Nat. Sch.	Montgomery, H.	Hall, Rev. W.	Walker, W.	..	49	49	..	..	..	..	..	Nil.

List of Science Schools, giving the Number of Students, &c.—*continued.*

Town.	Where held.	Chairman.	Secretary.	Teacher.	Number of Individuals under Instruction.		Increase.	Decrease.	Number of Prizes.		Number of Medals.		Fees paid by Students.
					1868.	1869.			1868.	1869.	1868.	1869.	
Hillsborough	*Boys' Sch.*	*Gibbs, Ven. J. A.*	*Phipps, Rev. O. H.*	*Read, J.*	..	..	..	..	..	..	..	..	Nil.
Holywood	Sullivan Sch.	Hunter, J.	Foster, A. F.	Speers, A.; Jenkinson, E.; Waterworth, H.	76	117	41	..	18	7	..	..	Nil.
Kilkee (co. *Clare*).	*Nat. Sch.*	*Moore, J. W.*	*McDonnell, M.*	*Devine, M. J.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* to 5*s.*
Kilkenny	Model Sch.	Blunden, Sir J., Bart.	Montmorency, Rev. W. de.	Ryan, L. J.	40	44	..	2	9	1	..	..	2*s.* 6*d.* ea. subject.
Kilkenny	*Model Farm Sch.*	*Blunden, Sir J., Bart.*	*Montmorency Rev. W. de.*	*Ryan, L. J.*	..	..	..	..	..	..	..	..	2*s.* 6*d.*
„	*Pocock Inst.*			*Deverill, R.*									
Killinchy (co. *Down*).	*School-house*	*Ward, Rev. H.*	*Boomer, Rev. C. C.*	*Cleland, J. M.*	..	..	..	..	..	..	..	..	2*s.* 6*d.*
Killybegs (co. *Donegal*).	*Nat. Sch.*	*Barrett, W.*	*Rogers, C.*	*Ward, J. C.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* ea. subject.
Killylea (co. Armagh)	School-house	Cross, W.	Ellis, Rev. T.	Brownlee, T.; Gibson, J. W.; Anderson, J. F.	..	43	43	..	..	1	..	..	2*s.* 6*d.*
Kilmihil (co. *Clare*).	*Leitrim Nat. Sch.*	*Browne, E. B.*	*Moloney, Rev. M.*	*O'Callaghan, P.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* per qr.
Kilmore (co. Armagh).	School-house	Irwin, Rev. C. K.	Paton, Rev. J.	Baile, R.	..	18	18	..	..	..	..	..	Nil.
Kircubbin (co. Down).	Nat. School-house	Lyle, Rev. E. A.	Rowan, Rev. J.	Walker, W.	..	14	14	..	..	..	..	..	Nil.
Kircubbin	*Glastry N. S.*	*Gilchrist, Rev. J.*	*Hawthorne, Rev. S.*	*McConkey, J.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* ea. subject.
Larne	Model Agric. Sch.	Porter, Rev. C.	Eccles, W.	Hay, W.	49	30	..	19	15	3	..	1 B.	5*s.*
Larne and Inver.	*Nat. Sch.*	*„*	*„*	*Davidson, J. G.*	..	..	..	..	..	..	..	..	5*s.*
Letterkenny	Nat. Sch.	Gallagher, J.	Kelly, Rev. B.	O'Donnel, H.; M'Fadden, E.	19	34	34	..	..	1	..	..	5*s.* ea. sub.
Ligoniel (near Belfast).	Wolfhill Mill N. S.	Montgomery, J.	Orr, W.	Barbour, S.	..	27	8	..	5	12	..	1 B.	Nil.
Limerick	*Sch. of Art*	*Spillane, W.*	*Connihan, J.*	*Brophy, N. A.*	..	..	..	..	..	..	..	..	1*s.* to 2*s.* pr. month.
Lisnagry (co. Limerick).	Ahane N. S.	Powell, C.	Bourke, R.	Carey, J.	..	20	20	..	..	..	..	..	2*s.* 6*d.*

Londonderry -	District Model Sch.	Smyth, Rev. R. -	Dugan, C. W. -	Gleeson, P. V. - -	..	41	41	..	..	..	..	..	27*s.*
Londonderry -	*Gwyn's Char. Inst.*	*Darcus, H.* - -	*Skipton, P.* -	*Cotter, E. G.* - -	..	..	..	..	..	..	..	..	Nil.
Lough Cutra (co. Galway).	Nat. Sch. - -	Gough, The Rt. Hon. Viscount.	Watson, J. -	Cusack, M. - -	..	4	4	..	..	..	..	..	8*s.* per ann.
Lurgan - -	Mech. Inst. -	Hancock, J. - -	Magahan, F. W.	Porter, G. - -	61	104	43	..	18	2	..	..	5*s.* ea. sub.
„ - -	Mod. Sch. - -			Galway, W. J. -									
„ - -	Nat. Sch. - -			English, W. - -									
Macroom (co. *Cork*) - -	*Nat. Sch.* - -	*Crooke, W.* - -	*Strong, T. K.* -	*Carroll, J.* - -	..	..	..	..	..	..	..	..	Not yet arranged.
Magherafelt (co. *Londonderry*).	*Nat. Sch., No. 2* -	*Montgomery, Rev. A.*	*McFall, A.* -	*McMurray, S.* - -	..	..	..	..	..	..	..	..	Nil.
Manorhamilton	Court House -	O'Donnell, J. - -	Shaw, S. - -	Birney, J. - -	..	30	30	..	..	..	..	..	2*s.* 6*d.*
Markethill -	Coolmalish N. S. -	O'Toole, Rev. D. -	Cuming, Rev. W.	Nugent, F. - -	20	13	..	7	4	..	..	..	2*s.* 6*d.*
Millisle (co. *Down*).	*Nat. Sch.* - -	*Carmichael, D.* -	*McAuley, Rev. J.*	*Simpson, M.* - -	..	..	..	..	..	..	..	..	2*s.* 6*d.*
Millstreet (co. *Cork*).	*Nat. Sch.* - -	*Leader, J.* - -	*Cronin, J. B.* -	*O'Connor, T. M.* -	..	..	..	..	..	..	..	..	Nil.
„ -	Cullin N. S. - -	„ - -	„ -	„ -	..	..	..	..	..	..	..	..	Nil.
Moira (co. Down) -	Brookfield Agric. S.	Richardson, J. J. -	Swann, T. -	Davidson, W. -	..	23	23	..	..	..	..	..	Nil.
				Pedlow, G. - -									
Monaghan -	Model Sch. - -	Lloyd, J. - -	Eardley, F. -	Lineham, P. - -	..	103	102	..	..	10	..	..	2*s.* 6*d.* ea. subject.
Monaghan -	*Aghnalogh Nat. Sch.*	*Reilly, J.* - -	*O'Neill, Rev. S. J.*	*Macklin, J.* - -	..	..	..	..	..	..	..	..	2*s.* 6*d.*
„ -	*Corcaghan N. S.* -	*McKenna, Rev. J.* -	*Smyth, P.* - -	*Brennan, E.* - -	..	..	..	..	..	..	..	..	10*s.*
Moy (co. *Tyrone*).	*Nat. Sch.* - -	*Coyne, Rev. M.* -	*Bradley, Rev. M.*	*Kelly, P.* - - -	..	..	..	..	..	..	..	..	Nil.
Moyasta - -	*Kilrush N. S.* -	*Burkitt, Rev. G.* -	*Sheedy; T.* -	*Burke, J.* - - -	..	..	..	..	..	..	..	..	1*s.* per mo.
Mullinavatt -	*Class Room* - -	*Hoare, Very Rev. E. N.*	*Cavet, J.* - -	*Cane, J. B. N.* -	..	..	..	..	..	..	..	..	Nil.
Newry - -	Model Sch. - -	Dodd, Rev. J. - -	Porter, D. C. -	Watt, W. D. - -	41	10	..	25	..	..	..	..	5*s.*
				O'Brien, P. T. -									
Newry - -	*Cloughoge N. S.* -	*Murphy, Rev. M.* -	*Donnelly, Rev. J.*	*Nugent, F.* - -	..	..	..	..	..	..	..	..	2*s.* 6*d.* ea. subject.
Newtownards	Model School -	Pooler, Rev. J. G.	Macdonnell, J. -	Harbison, M. - -	134	148	14	..	50	..	1 G., 1 S., 1 B.	..	Nil.
„ -	East St., No. 2, N. S. - - -	Moore, Rev. H. -		Greer, W. H. - -									
				O'Reilly, J. C. -									
				McConkey, J. -									2*s.* 6*d.* ea. subject.
				Young, W. J. -	..	..	..	..	..	..	..	..	
„ -	Ballyblack Sch. -	Parke, Rev. D. -	Mitchell, Rev. W.	Anderson, J. - -	..	13	13	..	..	..	..	..	Nil.
Newtownards	*Loughriescous N. S.*	*Macaulay, Rev. M.* -	*Macdonnell, J.* -	*Anderson, J.* - -	..	..	..	..	..	..	..	..	Nil.
Newtownbreda	Nat. Sch. - -	Kennedy, J. - -	Anderson, Rev. W.	Erwin, M. - -	33	29	..	4	..	..	..	..	2*s.* 6*d.*
Newtownlimarady	*Town Hall* - -	*Cather, W.* - -	*Brown, Rev. N. M.* -	*Speers, R.* - -	..	..	..	..	..	..	..	..	2*s.* 6*d.* to 10*s.* ea. sub.
Newtownstewart.	*Model Sch.* - -	*MacIvor, Rev. J.* -	*Gordon, F.* -	*Dowling, F. M.* -	..	..	..	..	..	..	...	..	2*s.* 6*d.*

List of Science Schools, giving the Number of Students, &c.—*continued.*

Town.	Where held.	Chairman.	Secretary.	Teacher.	Number of Individuals under Instruction.		Increase.	Decrease.	Number of Prizes.		Number of Medals.		Fees paid by Students.
					1868.	1869.			1868.	1869.	1868.	1869.	
Newtownstewart.	*Lower Langfield N.S.*	*Kennedy, Rev. H.*	*Stack, Rev. T. L.*	*Clements, W. T.*	..	..	..	..	..	..	..	..	Nil.
Oldcastle	Endowed Sch.	Durdin, Rev. T. G.	O'Neill, R.	Beatty, J. Smyth, A.	190	201	11	..	26	40	1 S., 1 B.	1 S.	Nil.
Parsonstown	"	Rt. Hon. the Earl of Rosse	Brown, S.	McManus, Wm. Hetherington, G. O'Brien, M. H.	..	25	25	..	..	5	..	..	Nil.
Parsonstown	*Y. M. Chr. Assoc.*												5*s.* returned at exn.
Portadown	Edenderry N. S.	Armstrong, T.	Wallace, H.	Baile, R. Martin, H. Forbes, J.	..	18	18	..	..	1	..	..	Nil.
Portadown	*Baptist Meeting House.*												
"	*Temp. Hall*	*Shinnamore, T. W.*	*Waugh, D. W.*	*Lee, H.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* ea. subject.
Portaferry	*Nat. Sch.*	*Filson, A.*	*Orr, Rev. J.*	*Doyle, P.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* ea. subject.
Portaferry (co. Down)	*Nat. Sch., No. 2*	"	"	*Begley, G. R.*	..	..	..	..	..	..	..	..	2*s.* 6*d.* for each class.
Ramelton (Letterkenny).	*Robertson's N. S.*	*Gwynn, Rev. J.*	*Mitchell, M.*	*Coyle, D.*	..	..	..	..	..	..	..	..	Nil.
Raphoe (co. Donegal).	Nat. Sch.	Weir, Rev. J. A.	Morrow, H.	Cotter, E. G.	18	6	..	12	10	..	..	..	Nil.
"	*Convoy Concert Hall*	"	"	*McCaffery, W.*	..	..	..	..	..	..	..	..	Nil.
Rathfryland	Town Hall	Smyth, Rev. E.	Meek, B. B.	Williams, T. M.	..	17	17	..	..	..	..	..	2*s.* 6*d.* ea. subject.
Rich Hill	*Ballynahinch N. S.*	*Skuse, Rev. C.*	*McCaldin, Rev. A.*	*Baile, R.*	..	..	..	..	..	..	..	..	Nil.
Roscrea (co. Tipperary)	Nat. Sch.	Meagher, Rev. J.	Somers, J. L.	McGrenahan, E. Kelly, T.	9	34	25	..	7	5	..	..	5*s.* each subject.
Roslea	*Greaghawarren and Deerpark Nat. Sch.*	*McKenna, Rev. J. J.*	*Keenan, J. E.*	*Cassidy, J.*	..	..	..	..	..	..	..	..	2*s.* 6*d.*
Rosscarbery (co. Cork).	Mt. Fachnanus N. S.	Lucey, Rev. J.	Mulcahy, Rev. J.	Prendergast, P.	..	40	40	..	..	..	..	..	Nil.
Santry	Trg. Inst.	West, Very Rev. J.	Hackett, Rev. J. W.	Hill, J. Smith, R. Shekelton, W.	60	91	31	..	87	4	1 S., 3 B.	..	Nil.
Scariff	Nat. Sch.	Sampson, F. C.	O'Mailly, P.	O'Gorman, T.	..	38	38	..	..	..	..	..	2*s.* 6*d.* ea. subject.

Sixmilecross (Omagh).	"	"	Mann, D.	"	Junk, Rev. T. W.	Crooks, S.	"	21	21	"	"	1	"	"	Nil.
Skibbereen (co. Cork).	Nat. Sch.	"	Davis, Rev. C.	"	Shea, J.	Prendergast, P.	"	"	"	"	"	"	"	"	Nil.
Sligo	St. John's N. S.	"	Kidd, J.	"	Dowden, Rev. J.	Fawcett, J.	"	"	"	"	"	"	"	"	2s. 6d. per month.
Stewartstown (co. Tyrone).	No. 2 Nat. Sch.	"	McCurdy, Rev. S.	"	Harkness, Rev. J. N.	Campbell, W.	"	24	24	"	"	"	"	"	Nil.
Strabane (co. Tyrone).	Town Hall	"	White, O.	"	Lewey, A.	Patterson, W.	"	"	"	"	"	"	"	"	2s. 6d. to 10s.
Strabane	Par. Sch., Church St.	"	Seymour, Rev. C.	"	McConaghey, Rev. J.	Matthews, C.	"	"	"	"	"	"	"	"	2s. 6d.
	Tullywhisker Sch.	"		"		Colhoun, C.	"	"	"	"	"	"	"	"	Nil.
Templepatrick (co. Antrim).	Lylehill N. S	"	Hamilton, Rev. H. M.		Black, Rev. J.	Stronge, J.	"	"	"	"	"	"	"	"	1s. 6d.
Trim	Model Sch.	"	Lightburne, H.	"	Conwell, E. A.	Frechill, M.	"	62	96	34	"	28	7	"	Nil.
Tulla (co. Clare)	Nat. Sch.	"	O'Callaghan, C. G.	"	O'Donovan, Rev. M.	O'Brien, J.	"	"	"	"	"	"	"	"	2s. 6d. per quarter.
Tullamore	Charleville Sch.	"	Pierce, T. H.	"	Craig, Rev. G.	Bateman, T.	"	"	"	"	"	"	"	"	Nil.
Waterford	Model Sch.	"	Hoare, Very Rev. E. N.		Cavet, J.	Dowling, J.	"	55	34	"	21	8	2	"	3s. to 7s. 6d.
						Garnett, E.	"							"	en. subj.
"	Newtown Sch.	"	"	"	"	Cane, J. B. N.	"	"	43	43	"	"	"	"	Nil.
								11,925	21,660	9744	—	3,245	1,854		

Correct.
(Signed) THOS. HEALEY.

Appendix B.

SCIENCE SCHOOLS AND CLASSES. SUBJECTS TAUGHT, &c.

15. TABLE showing the CLASSES in each of the preceding SCIENCE SCHOOLS, the SUBJECTS taught, and the NUMBER of STUDENTS in each Subject. March 1870.

Town.	Where held.	Total No. of Individual Students.	I. Practical, Plane, and Solid Geometry.	II. Machine Construction and Drawing.	III. Building Construction or Naval Architecture.	IV. Elementary Mathematics.	V. Higher Mathematics.	VI. Theoretical Mechanics.	VII. Applied Mechanics.	VIII. Acoustics, Light, and Heat.	IX. Magnetism and Electricity.	X. Inorganic Chemistry.	XI. Organic Chemistry.	XII. Geology.	XIII. Mineralogy.	XIV. Animal Physiology.	XV. Zoology.	XVI. Vegetable Anatomy and Physiology.	XVII. Systematic & Economic Botany.	XVIII. Mining.	XIX. Metallurgy.	XX. Navigation.	XXI. Nautical Astronomy.	XXII. Steam.	XXIII. Physical Geography.
ENGLAND.																									
Abingdon	British School	50	6	19	13	25				3	6	16				23									15
Accrington	Mechanics' Institution	50									10	14				7									
"	25, Bridge Street	10										10				10									
"	Christ Church National School.	10														10									
Alderley Edge	Reading Room and Library	7	4	4	4	6																			
Almondbury	Grammar School	17				10						17													
Alnwick	Mechanics' Institution	12				12																			
Andover	Grammar School	30									1					30							3		
Arnley	Church School	1								1															30
Ashby-de-la-Zouch	Mutual Improvement Society	34									16	21							8						
Ashton-under-Lyne	Mechanics' Institution	12																							
"	St. Michael's Young Men's Christian Association.	45	13	13																					45
"	Hurst Mech. Institution	10	10	10	10																				
"	Dukinfield Village Library	16										16													
"	Dukinfield Old Chapel Sunday School.	12	12	12																					
Bacup	Mechanics' Institution	45	19	19	19				12			16				14									
"	Wesleyan Day School	40			15											40									
Backworth	Old Chapel	30	30	30	30				30																
Balham	Working Men's Institution	14	14	14	14											12									
Banbury	British School	18				8		6		16						10									
"	Mechanics' Institution	12																	12						
Bangor	Normal College	30				25		25								25									
Banstead	School-room	32								27	27														27

| | | |

Appendix B.

SCIENCE SCHOOLS AND CLASSES. SUBJECTS TAUGHT, &c.

Table showing the Classes in each of the preceding Science Schools, &c.—*continued.*

Town.	Where held.	Total No. of Individual Students.	I. Practical, Plane, and Solid Geometry.	II. Machine construction and Drawing.	III. Building, Construction or Naval Architecture.	IV. Elementary Mathematics.	V. Higher Mathematics.	VI. Theoretical Mechanics.	VII. Applied Mechanics.	VIII. Acoustics, Light, and Heat.	IX. Magnetism and Electricity.	X. Inorganic Chemistry.	XI. Organic Chemistry.	XII. Geology.	XIII. Mineralogy.	XIV. Animal Physiology.	XV. Zoology.	XVI. Vegetable Anatomy and Physiology.	XVII. Systematic & Economic Botany.	XVIII. Mining.	XIX. Metallurgy.	XX. Navigation.	XXI. Nautical Astronomy.	XXII. Steam.	XXIII. Physical Geography.
Blackley	Assembly Rooms	24	24	24	24	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Blyth	National School	15	15	15	15	:	:	:	15	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Bodmin	Literary Institution	21	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	5
Bolton	Science and Art School	120	30	30	30	:	:	15	15	12	12	35	:	:	:	16	:	:	:	:	:	:	:	5	25
"	Mechanics' Institution	70	60	55	50	10	:	:	:	:	:	:	6	:	:	40	:	:	:	:	:	:	:	:	:
"	Dean Mills B. S.	15	15	15	15	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
"	Unitarian School	11	:	:	:	:	:	:	:	:	:	11	:	:	:	10	:	:	:	:	:	9	:	:	16
Boston	National Schools	16	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
"	School of Art	16	3	14	6	:	:	:	:	:	:	15	:	:	:	:	:	:	:	:	:	:	:	:	:
Bradford	Mechanics' Institution	27	:	:	:	:	:	:	:	:	:	20	:	8	17	:	:	:	:	:	:	:	:	:	:
"	Builder's Technical School	19	:	:	:	:	:	:	:	:	:	19	:	:	:	:	:	:	:	:	:	:	:	:	:
"	Hallfield School	15	:	:	:	:	:	:	:	:	:	15	:	:	:	:	:	:	:	:	:	:	:	:	:
"	Wesleyan School	18	:	:	:	:	:	:	:	:	:	18	:	:	:	:	:	:	:	:	:	:	:	:	:
Bramley	Grove House	13	:	:	:	:	:	:	:	:	:	13	:	:	:	:	:	:	:	:	:	:	:	:	:
Breage	Literary Institution	17	:	:	:	:	:	:	:	:	:	17	:	:	:	:	:	:	:	:	:	:	:	:	:
"	Germoe National School	64	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	64	:	:	:	:
Bredbury	St. Mark's National School	7	:	7	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Bridport	Literary and Scientific Institution.	30	:	:	:	7	:	:	:	5	20	:	:	:	:	30	:	:	:	:	:	:	:	:	:
Brigstock	Farming Woods' School	9	:	:	:	:	:	:	:	9	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Brington	National School	266	107	110	65	85	:	55	55	19	74	118	87	10	:	:	:	19	:	6	:	:	:	:	:
Bristol	Trade and Mining School	93	10	10	:	:	:	:	:	8	6	21	21	:	:	66	:	:	:	:	:	:	:	:	:
"	Young Men's Christian Association.	50	50	:	32	:	:	:	12	:	:	8	:	:	:	6	:	3	:	:	:	:	:	:	:
Brixham	Wesleyan School	50	50	:	:	:	:	:	:	:	:	:	:	:	:	50	:	:	:	:	:	:	:	:	:
Bromsgrove	British School	20	:	:	:	:	:	:	:	:	:	:	:	:	:	20	:	:	:	:	:	:	:	:	:
"	Literary and Mechanics' Institution.	26	:	:	:	:	:	:	:	:	:	26	:	:	:	25	:	:	:	:	:	:	:	:	:
Burnley	Literary Institution	53	:	31	32	:	:	:	12	:	:	8	:	:	:	6	:	:	:	:	:	:	:	:	:

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Appendix B.

SCIENCE SCHOOLS AND CLASSES. SUBJECTS TAUGHT, &c.

Table showing the Classes in each of the preceding Science Schools, &c.—*continued.*

Town.	Where held.	Total No. of Individual Students.	I. Practical, Plane, and Solid Geometry.	II. Machine construction and Drawing.	III. Building Construction or Naval Architecture.	IV. Elementary Mathematics.	V. Higher Mathematics.	VI. Theoretical Mechanics.	VII. Applied Mechanics.	VIII. Acoustics, Light, and Heat.	IX. Magnetism and Electricity.	X. Inorganic Chemistry.	XI. Organic Chemistry.	XII. Geology.	XIII. Mineralogy.	XIV. Animal Physiology.	XV. Zoology.	XVI. Vegetable Anatomy and Physiology.	XVII. Systematic & Economic Botany.	XVIII. Mining.	XIX. Metallurgy.	XX. Navigation.	XXI. Nautical Astronomy.	XXII. Steam.	XXIII. Physical Geography.
Darwen	Mechanics' Institution	28	28	28	28																				
Daventry	Grammar School	20									20														
Deptford	St. Paul's School	65	37	37	37	34		34	33																
"	St. John's School	14	14			9		6																33	
"	St. John's Mission Hall																							8	
Derby	Grammar School	7										7													
Devonport	Mechanics' Institution	5																5							
"	14, St. Aubyn Street*																								
Dewsbury	Mechanics' Institution	53	14							11	11	11	11												
"	Wesleyan Literary Society	8										8													
Doncaster	Guildhall	23	23	11		4			6																
"	Great Northern Railway School.	60		60																					
Droitwich	National School	30										25	15			30									
Droylsden	Educational Institution	40	32	32	32							15													
Dudley	Mechanics Institution	28	10	9	2							16				9									
"	Blue Coat School	48										48													
"	Netherton National School	13																						13	
Dunstable	Ashton School	30										2				18								30	
Eagley	Institute	18																							
Earlestown	Infant School	20	20	20	20																				
"	London and North-Western Railway Library and Reading Room.	20	20	20																					
Eastington	National School	10		10	10																				
Eastwood	Mechanics' Institution	13		13																					
Eccleshill	Mechanics' Institution	10										10													
Elland	National School	16	16	16	16																				

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Appendix B.

SCIENCE SCHOOLS AND CLASSES. SUBJECTS TAUGHT, &c.

Table showing the Classes in each of the preceding Science Schools, &c.—*continued.*

Town.	Where held.	Total No. of Individual Students.	I. Practical, Plane, and Solid Geometry.	II. Machine Construction and Drawing.	III. Building Construction or Naval Architecture.	IV. Elementary Mathematics.	V. Higher Mathematics.	VI. Theoretical Mechanics.	VII. Applied Mechanics.	VIII. Acoustics, Light, and Heat.	IX. Magnetism and Electricity.	X. Inorganic Chemistry.	XI. Organic Chemistry.	XII. Geology.	XIII. Mineralogy.	XIV. Animal Physiology.	XV. Zoology.	XVI. Vegetable Anatomy and Physiology.	XVII. Systematic & Economic Botany.	XVIII. Mining.	XIX. Metallurgy.	XX. Navigation.	XXI. Nautical Astronomy.	XXII. Steam.	XXIII. Physical Geography.
Haslingden	Institute	26	30	30	30				4			10				25									
Hayfield	Birch Vale Institution	30										12	11	11											
Helston	Grammar School	12									100														
Hereford	Blue School	100				20				40															
Hetton	Colliery School	25	25	25	25			10	25				13											10	
Heywood	Mechanics' Institution	30	15	15	15						9	13													
Highgate	National School	16										16				12									
Hingham	National School	24						14																	
Holbeck	Mechanics' Institution	24	21	21	21	5					45														
	Wesleyan School	45										14													
Holmfirth	Working Men's Club	14											6												
Hornsey	British School	36								22		33													
Horwich	National School	22									22														
Huddersfield	Mechanics' Institution	53	27	29	22						30														
"	St. Paul's School	30	30		29																				
"	Milnsbridge Mech. Inst.	11	11																						
Hull	Nautical School	68	54			30						15										63	68	30	30
"	People's Institution	75	54	54	54	8																		8	
"	Day Street British School	20				20																			
Huntingdon	Walden's School	9									12				9	9									
Hyde	Mechanics' Institution	36	9	9	9							9													
Ipswich	Working Men's College	50	6	6	10							28													
Jarrow-on-Tyne	Mechanics' Institution	55	47	47	47							12													
Keighley	Mechanics' Institution	6	4	2	3							32				30									
Kendal	Post Office Yard Room	52				6						13				13									
Kersley	British School	13																							

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Table showing the Classes in each of the preceding Science Schools, &c.—*continued.*

Town.	Where held.	Total No. of Individual Students.	I. Practical, Plane, and Solid Geometry.	II. Machine Construction and Drawing.	III. Building Construction or Naval Architecture.	IV. Elementary Mathematics.	V. Higher Mathematics.	VI. Theoretical Mechanics.	VII. Applied Mechanics.	VIII. Acoustics, Light, and Heat.	IX. Magnetism and Electricity.	X. Inorganic Chemistry.	XI. Organic Chemistry.	XII. Geology.	XIII. Mineralogy.	XIV. Animal Physiology.	XV. Zoology.	XVI. Vegetable Anatomy and Physiology.	XVII. Systematic & Economic Botany.	XVIII. Mining.	XIX. Metallurgy.	XX. Navigation.	XXI. Nautical Astronomy.	XXII. Steam.	XXIII. Physical Geography.
Liverpool	Training College	68				12					20	11				20									68
Llanbordy	National School	20	19	28	28	13																5	5		32
Llandilly	Copper Work's School	64				9																6			
"	Loughor National School	9																							
London:—																									
Battersea	St. John's College	80				80										80									80
"	Christ Church School	60														60									
"	Wesleyan Chapel	18										18													
"	St. John's National School	25			25																				
Bayswater	St. Matthew's Parochial School.	50														150									
Bermondsey	Christ Church School	17	17	17	17											55									55
Bethnal Green	Birkbeck School	83				30					55	34				104									96
"	National School	150	21	18		12				84	30	25													
"	British School	66		66	66																				
"	St. James the Less National School.	25	25																						
Blackfriars Road	South London Working Men's College.	34	22	22		8		6				4				85									
Boro' Road	Training College	100				100		45																	100
"	Boys' Model School	50			25																				50
Bow, North	Old Ford Road School	25	25	25	13																				
Brixton Hill	Working Men's Club	13	13	13	13																				
Camberwell	St. Matthew's Institution	13	13	13	13																				
Chancery Lane	Birkbeck Literary and Scientific Institution	170	45	45	45	16	21	14	12		30					18								11	31
Charterhouse	St. Thomas' School	200	25	20	20						6	20				80									60
Chelsea	St. Mark's College	38	50			88		32																	88

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Appendix B, SCIENCE SCHOOLS AND CLASSES. SUBJECTS TAUGHT, &c.

Table showing the Classes in each of the preceding Science Schools, &c.—*continued.*

Town.	Where held.	Total No. of Individual Students.	I. Practical, Plane, and Solid Geometry.	II. Machine Construction and Drawing.	III. Building Construction or Naval Architecture.	IV. Elementary Mathematics.	V. Higher Mathematics.	VI. Theoretical Mechanics.	VII. Applied Mechanics.	VIII. Acoustics, Light, and Heat.	IX. Magnetism and Electricity.	X. Inorganic Chemistry.	XI. Organic Chemistry.	XII. Geology.	XIII. Mineralogy.	XIV. Animal Physiology.	XV. Zoology.	XVI. Vegetable Anatomy and Physiology.	XVII. Systematic & Economic Botany.	XVIII. Mining.	XIX. Metallurgy.	XX. Navigation.	XXI. Nautical Astronomy.	XXII. Steam.	XXIII. Physical Geography.
London—*cont.*																									
Poplar	All Saints' National School	39	39	39	39																				
"	William Street Young Men's Christian Association.	25										25													
Regent Street	Royal Polytechnic Institution.	39								8	9	16			7						4				
Somers Town	National School	17	17	17	17																				
"	British School	88	88	88	88																				
Spitalfields	School of Art	12	12	12	12																				
Southwark	Swan Street Boys' National School.	23	23	23	23																				
St. John's Wood	Catholic School	30	30	30	30																				
Tottenham Court Road.	St. John's School	22		12	12							11		11											
Vauxhall	Baptist School	35	35	35	35																				
"	London and South-Western Railway Institution.	16	16	16	16																				
Walham Green	St. John's School	20																							20
Wandsworth	Royal Patriotic Fund Boys' School.	67		44						67	67				66										65
Waterloo Road	St. John's School	56	56	56	56																				
Westminster	Wesleyan Training College	144			76	76						76													144
"	St. James-the-Less National School.	27	27	27	27																				
"	Working Men's Club	32	26	26								23		14		15									
Luddenden Foot	Day School-room	50				38				18	18				12										
Lutterworth	Cottage School, Coventry Road.	18													18										

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Table showing the Classes in each of the preceding Science Schools, &c.—*continued.*

Town.	Where held.	Total No. of Individual Students.	I. Practical, Plane, and Solid Geometry.	II. Machine construction and Drawing.	III. Building Construction or Naval Architecture.	IV. Elementary Mathematics.	V. Higher Mathematics.	VI. Theoretical Mechanics.	VII. Applied Mechanics.	VIII. Acoustics, Light, and Heat.	IX. Magnetism and Electricity.	X. Inorganic Chemistry.	XI. Organic Chemistry.	XII. Geology.	XIII. Mineralogy.	XIV. Animal Physiology.	XV. Zoology.	XVI. Vegetable Anatomy and Physiology.	XVII. Systematic & Economic Botany.	XVIII. Mining.	XIX. Metallurgy.	XX. Navigation.	XXI. Nautical Astronomy.	XXII. Steam.	XXIII. Physical Geography.
Northampton	Museum	120	:	:	:	:	:	:	:	:	:	30	:	:	:	12	:	:	:	:	:	:	:	:	96
"	St. Sepulchre's National School.	16	:	:	:	:	:	:	:	:	16	:	:	:	:	:	:	:	:	:	:	:	:	:	:
North Ormesby	Church Institute	12	:	10	:	:	:	:	:	:	3	:	:	:	:	:	:	:	:	:	:	:	:	:	:
North Shields	Free Library	71	53	53	53	:	:	:	:	:	:	15	:	:	:	:	:	:	:	:	:	:	:	:	:
"	St. Peter's School	61	53	61	61	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Nottingham	Mechanics' Institution	227	:	:	:	:	:	:	:	:	:	30	:	13	:	20	:	:	:	:	:	:	:	:	150
Norwich	Presbyterian School	65	:	:	12	21	:	:	:	:	25	:	:	40	:	:	:	:	:	:	:	:	:	:	11
"	Thorpe Hamlet Boys' School	16	:	:	:	5	:	:	:	:	:	:	:	:	:	:	:	:	4	:	:	:	:	:	:
Oadby	National School	7	:	:	:	:	:	:	:	:	:	:	:	54	:	7	:	:	:	:	:	:	:	:	:
Oldbury	National School	84	:	60	:	:	:	:	:	:	50	31	:	54	:	54	:	:	:	:	:	:	:	:	62
Oldham	Messrs. Chance's Institution	62	:	:	:	19	:	12	15	:	:	:	:	:	:	62	:	10	:	:	:	:	:	13	:
"	Science and Art School	75	55	50	30	:	:	9	9	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
"	Glodwick Mutual Improvement Society.	20	18	19	20	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
"	Analytic Literary Institution.	41	33	33	33	8	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
"	Wernerth Mechanics' Institution.	24	24	24	24	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Openshaw	Ashbury Works	28	27	23	28	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
"	Wesleyan Day School	18	18	18	18	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Oswaldtwistle	Wesleyan School	75	:	:	:	:	:	:	:	:	:	:	:	:	:	51	:	:	:	:	:	:	:	:	75
"	Busk School	50	:	:	:	:	:	:	:	:	:	:	:	:	:	50	:	:	:	:	:	:	:	:	:
Oundle	British School	55	:	:	:	:	:	:	:	:	:	15	:	:	:	55	:	:	:	:	:	:	:	:	:
Oxford	Town Hall, St. Aldates St.	49	:	:	10	14	:	:	:	:	:	20	:	:	:	15	:	:	:	:	:	:	:	:	:
"	Wesleyan School	25	:	:	:	:	:	:	:	:	:	:	:	:	:	25	:	:	:	:	:	:	:	:	:
Padiham	National School	32	20	32	32	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:

| | | |

Table showing the Classes in each of the preceding Science Schools, &c.—*continued.*

Town.	Where held.	Total No. of Individual Students.	I. Practical, Plane, and Solid Geometry.	II. Machine Construction and Drawing.	III. Building Construction or Naval Architecture.	IV. Elementary Mathematics.	V. Higher Mathematics.	VI. Theoretical Mechanics.	VII. Applied Mechanics.	VIII. Acoustics, Light, and Heat.	IX. Magnetism and Electricity.	X. Inorganic Chemistry.	XI. Organic Chemistry.	XII. Geology.	XIII. Mineralogy.	XIV. Animal Physiology.	XV. Zoology	XVI. Vegetable Anatomy and Physiology.	XVII. Systematic & Economic Botany.	XVIII. Mining.	XIX. Metallurgy.	XX. Navigation.	XXI. Nautical Astronomy.	XXII. Steam.	XXIII. Physical Geography.
St. Helen's	Commercial School	25										25													12
St. Ives	National School	12												9											7
St. Just	The Institution	14																							
Salisbury	School of Science and Art	25	20	2	3							18													43
Saltaire	Literary Institution	18				43										43									3
Saltley	Training College	43				6										2									
Scarborough	Mechanics' Institution	23																							
Seaham	Colliery School	20	20	20	20				20					3				7				2			
Seaton Delaval	Colliery School	45	45	45	45				45																
Shaw	National School	19	19	19	19																				
Sheerness	British School	26	26	26	6*																				
Sheffield	Church and Educational Institute.	11										11													
	St. Paul's School	121				9						12													
	Mechanics' Institution	38										138													
	Wesleyan Educational Institute.	12										12													
	Church Institute	58				26		3				25													
	School of Art	22	8	22	8									13											
Shelton	National School	13																							
Shrewsbury	School of Art	31	31	31	31						8														
Skelmanthorpe	National School	12				6										8									7
Slough	Mechanics' Institution	45	40	40	40	11						18	18												
Southampton	Hartley Institute	211														200									
Southminster	National School	16								11	8					16									
Southport	Athenæum	14	14	14	14											19									
South Shields	Mechanics' Institution	13																							
„	Tyne Docks Mechanics' Institution.	20										20													

| | | |

Appendix B.

SCIENCE SCHOOLS AND CLASSES. SUBJECTS TAUGHT, &c.

Table showing the Classes in each of the preceding Science Schools, &c.—*continued.*

Town.	Where held.	Total No. of Individual Students.	I. Practical, Plane, and Solid Geometry.	II. Machine Construction and Drawing.	III. Building, Construction or Naval Architecture.	IV. Elementary Mathematics.	V. Higher Mathematics.	VI. Theoretical Mechanics.	VII. Applied Mechanics.	VIII. Acoustics, Light, and Heat.	IX. Magnetism and Electricity.	X. Inorganic Chemistry.	XI. Organic Chemistry.	XII. Geology.	XIII. Mineralogy.	XIV. Animal Physiology.	XV. Zoology.	XVI. Vegetable Anatomy and Physiology.	XVII. Systematic & Economic Botany.	XVIII. Mining.	XIX. Metallurgy.	XX. Navigation.	XXI. Nautical Astronomy.	XXII. Steam.	XXIII. Physical Geography.
Toddington	Wesleyan School	14	:	:	:	:	:	:	:	:	:	14	:	:	:	:	:	:	:	:	:	:	:	:	:
Todmorden	Mechanics' Institution	27	27	27	27	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Topsham and Woodbury.	Mutual Improvement Society.	25	:	:	:	:	:	:	:	25	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Torquay	School of Science and Art	93	:	:	:	22	:	:	:	29	91	13	:	:	:	24	:	:	:	:	:	:	:	:	:
Towcester	National School	14	:	:	:	:	:	:	:	:	14	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Truro	British School	24	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
"	Royal Institution	13	:	:	:	:	:	:	:	:	:	13	:	:	:	:	:	:	:	:	:	:	:	:	:
Turton	Chapel-town Institute	17	:	:	17	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Tyldesley	Mechanics' Institution	48	17	17	30	27	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Ulverston	Proprietary School	18	:	:	:	12	:	:	:	:	:	6	:	:	:	15	:	:	:	:	:	:	:	:	:
Wakefield	Holy Trinity Young Men's Society.	14	:	:	:	:	:	:	:	:	14	14	:	:	:	:	:	:	:	:	:	:	:	:	:
"	Smyth Street Academy	30	:	:	:	:	:	:	:	:	30	30	:	:	:	:	:	:	:	:	:	:	:	:	:
"	Mechanics' Institution	29	:	:	:	:	:	:	:	:	:	29	:	:	:	25	:	:	:	:	:	:	:	:	:
Walker	Holy Trinity Boys' School	135	:	:	:	:	:	:	:	:	:	:	:	:	:	20	:	:	:	:	:	:	:	:	:
Wallingford	Alkali Works British School	21	21	21	:	:	:	:	:	:	:	:	:	:	:	36	:	:	:	:	:	:	:	:	:
Walsall	School of Art	25	:	:	:	:	:	:	:	:	:	:	:	:	:	20	:	:	:	:	:	:	:	:	:
Watford	Wesleyan School	60	:	25	30	:	:	:	:	:	:	:	:	:	:	36	:	:	:	:	:	:	:	:	:
Wednesbury	Literary Institution	36	:	:	:	:	:	:	:	:	:	:	:	:	:	20	:	:	:	:	:	:	:	:	:
"	Moxley National School	20	:	:	:	:	:	:	:	:	:	:	:	:	:	40	:	:	:	:	:	:	:	:	:
Walker	St. John's School	40	:	:	:	:	:	:	:	:	:	:	:	:	:	20	:	:	:	:	:	:	:	:	:
Wallingford	Girls' School	12	:	:	:	:	:	:	:	:	:	:	:	:	:	40	:	:	:	:	:	:	:	:	:
Weedon	Lower Grammar School	64	:	:	:	:	:	:	:	:	:	:	:	:	:	23	:	:	:	:	:	:	:	:	:
Wellingborough	St. Peter's School	20	:	:	:	:	:	:	:	:	:	:	:	:	:	20	:	:	:	:	:	:	:	:	:
West Bromwich	Girls' National School	14	:	:	:	:	:	:	:	:	:	:	:	:	:	10	:	:	:	:	:	:	:	:	:
Westbury [illegible] ym	St. Mark's National School	9	:	:	:	:	:	:	:	:	:	:	:	:	:	6	:	:	:	:	:	:	:	:	:
West Gort[illegible]																									

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Appendix B.

SCIENCE SCHOOLS AND CLASSES. SUBJECTS TAUGHT, &c.

Table showing the Classes in each of the preceding Science Schools, &c.—*continued.*

Town.	Where held.	Total No. of Individual Students.	I. Practical, Plane, and Solid Geometry.	II. Machine Construction and Drawing.	III. Building Construction or Naval Architecture.	IV. Elementary Mathematics.	V. Higher Mathematics.	VI. Theoretical Mechanics.	VII. Applied Mechanics.	VIII. Acoustics, Light, and Heat.	IX. Magnetism and Electricity.	X. Inorganic Chemistry.	XI. Organic Chemistry.	XII. Geology.	XIII. Mineralogy.	XIV. Animal Physiology.	XV. Zoology.	XVI. Vegetable Anatomy and Physiology.	XVII. Systematic & Economic Botany.	XVIII. Mining.	XIX. Metallurgy.	XX. Navigation.	XXI. Nautical Astronomy.	XXII. Steam.	XXIII. Physical Geography.
SCOTLAND.																									
Aberdeen	Mechanics' Institution	47				22		11				16						9	6						
Alexandria	Mechanics' Institution	44		16		13						15													
Baillieston	Crosshill School	12														12									
Banton	Banton School	18	18																						
Beith	New Street School	45				14						5						4							45
Brechin	School-room	28	10			1						3						1							
Corsock	Girls' School	5																5	5						
Cults	School-room	12									12														
Dingwall	Academy	13								13															
Dumbarton	Burgh Academy	140		30		50		30		80															80
Dundee	High School	89	47	65																					
Edinburgh	Free Church Training College.	56						16																	40
"	Watt Institute	490				163						138													106
"	15, Buccleuch Place	24														24		24							
"	Established Church Training College.	62				62					62														
Elgin	Academy	20	7	13		1																			
Fortrose	Mechanics' Institution	13	13			13															17				13
Glasgow	Secular School	131	22	22		22	12		373			17				86									64
	Andersonian University	902										406	406			191									370

Appendix B.

SCIENCE SCHOOLS AND CLASSES. SUBJECTS TAUGHT, &c.

"	Mechanics' Institution	218	..	..	..	118	..	..	..	..	..	100	..	..	..	..	..	..	..	..	..	..	..	..	..
"	Established Church Normal School.	54	..	..	..	..	..	..	..	..	..	..	..	..	..	54	..	..	..	..	..	..	..	..	..
"	St. Stephen's School	26	..	..	..	26	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
"	Port Dundas School	33	..	..	..	..	..	..	..	..	..	..	..	..	..	33	..	..	..	..	..	..	..	..	..
"	St. George's School	50	..	..	..	..	..	..	..	..	..	..	..	..	..	50	..	..	..	..	..	..	..	..	..
Inverness	School of Science and Art	18	16	6	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
"	Royal Academy	41	20	1	2	37	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Johnstone	Quarrelton Parish School	46	..	..	..	..	..	..	..	..	..	..	..	..	..	46	..	..	..	..	..	..	..	..	..
Kilmarnock	East George St. Academy	82	42	42	..	25	..	..	12	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
"	New Academy	52	..	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	40
"	School of Art	7	..	6	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kirkcaldy	Burgh School	34	..	34	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Kirkwall	Grammar School	35	..	..	..	18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	21
Leith	Navigation School	278	..	..	..	138	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	172	165	68	..
"	St. James' School	39	..	..	..	..	..	35	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	35
"	School of Art	34	34	17	16	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Lumphanan	Parish School	13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	13
Nairn	Gen. Assembly's School	12	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Newhills	Stoneywood School-room	11	..	..	..	11	..	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Paisley	School of Art	25	25	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
"	Sessional School	44	..	..	..	..	..	..	..	..	..	..	..	..	..	44	..	..	..	..	..	..	..	..	..
Perth	Sessional School	9	4	2	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Rothesay	Thomson Institution	6	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
St. Andrews	Madras College	63	..	44	..	19	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Stirling	Science and Art School	18	18	18	18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tarbat	Parochial School	34	..	..	..	28	..	..	..	..	..	..	..	34	..	20	20	..	..	..	..	18	..	..	34
	IRELAND.																								
Aghnagar	National School	25	..	..	..	..	..	..	..	25	25	..	..	..	..	..	..	..	..	..	..	..	..	..	25
Ahoghill	National School	20	..	..	..	..	..	..	..	20	20	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Anahilt	Endowed Free School	15	..	..	..	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	15
Antrim	Male National School																								
"	Main St. National School	70	..	..	..	10	..	..	..	..	28	..	..	12	..	14	..	..	..	..	..	..	..	..	30
"	Ladyhill National School																								

Appendix B.

SCIENCE SCHOOLS AND CLASSES. SUBJECTS TAUGHT, &c.

Table showing the Classes in each of the preceding Science Schools, &c.—*continued.*

Town.	Where held.	Total No. of Individual Students.	I. Practical, Plane, and Solid Geometry.	II. Machine construction and Drawing.	III. Building Construction or Naval Architecture.	IV. Elementary Mathematics.	V. Higher Mathematics.	VI. Theoretical Mechanics.	VII. Applied Mechanics.	VIII. Acoustics, Light, and Heat.	IX. Magnetism and Electricity.	X. Inorganic Chemistry.	XI. Organic Chemistry.	XII. Geology.	XIII. Mineralogy.	XIV. Animal Physiology.	XV. Zoology.	XVI. Vegetable Anatomy and Physiology.	XVII. Systematic & Economic Botany.	XVIII. Mining.	XIX. Metallurgy.	XX. Navigation.	XXI. Nautical Astronomy.	XXII. Steam.	XXIII. Physical Geography.
Ardara	Female National School	15				12								40											15
Armagh	Gosford Place National School.	63				20				63	62					19									23
"	College Street School	30								30				30											
Athlacca	National School	18				18				16	12			25		22	25								
Athlone	St. Mary's School	34				25		19		21	21			25		25	25							25	
"	Ranelagh School	26	17			22				40	40														
"	Anchorsbower National School.	56																							
Athy	Town Hall	32								32						9									
Aughnacloy	Court House	49								49															
Bagenalstown	National School	30				23	9	23		30	30														
Ballieboro'	Model School	123				30					122					10									
Ballee	National School	19								17	11														
Ballincollig	National School	15				15																	15		
Ballybay	National School	15																							
Ballybofey	Town Hall	36								13															
Ballymena	Model School	15				15				14	14														
"	Guy's National School	14								10															
"	National School	10				12																			
"	Harryville National School	12				6																			
"	Crebilly National School	6				10																			
Ballymoney	Town Hall	28								13															28
Ballynahinch	National School	13								7															13
"	Town Hall	10																							10
Ballyvicknakelly	National School	10									16			18		10									10
Ballywalter	Park School	36								14	14					20									14
Ballywilly	National School	14														10									

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Appendix B.

SCIENCE SCHOOLS AND CLASSES. SUBJECTS TAUGHT, &c.

Table showing the Classes in each of the preceding Science Schools, &c.—*continued.*

Town.	Where held.	Total No. of Individual Students.	I. Practical, Plane, and Solid Geometry.	II. Machine Construction and Drawing.	III. Building Construction or Naval Architecture.	IV. Elementary Mathematics.	V. Higher Mathematics.	VI. Theoretical Mechanics.	VII. Applied Mechanics.	VIII. Acoustics, Light, and Heat.	IX. Magnetism and Electricity.	X. Inorganic Chemistry.	XI. Organic Chemistry.	XII. Geology.	XIII. Mineralogy.	XIV. Animal Physiology.	XV. Zoology.	XVI. Vegetable Anatomy and Physiology.	XVII. Systematic & Economic Botany.	XVIII. Mining.	XIX. Metallurgy.	XX. Navigation.	XXI. Nautical Astronomy.	XXII. Steam.	XXIII. Physical Geography.
Callan	Academy	26	28					26			26														
Carlow	Christian School	28				13					9											7	6	35	
Carrickfergus	Model School	42			12	32					12													12	
Castleblaney	Annayallo National School	13				21			5		15													25	
Castlederg	Edward's School	26				2				10	2					2								2	
Castlewellan	Annsboro' National School	15				6				12	3					4								12	
Cloncore	National School	10				2																			
"	English National School	12				6																			
Clonmel	Model School	32				32					32			20											
"	Mechanics' Institution	12			12																				
Coal Island	Infant School	31									31														
Coleraine	Model School	48									39														
Comber	Smyth's National School	20				20																			
"	Lisburne National School	20																							
Connor	National School	13				13					27														
Coosclare	National School	40				37					27														
Cork	Central Model School	37				32					34					18						9		33	
"	Carmichael National School	65				28																		33	
"	St. Nicholas National School	59				32																		59	
"	School of Art	12			12																				
Cormeen	National School	22									22													22	
Cottown	National School	35									35														
Crossgar	National School	13									13														
Cullybuckey	National School	73									73														
"	Teesham National School	35				18																		35	
Derrygonnelly	Lisded National School	31				20																		30	
Derrylin	Kinawley National School	20																						20	
Donaghadee	National School	43									43														

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Appendix B.

SCIENCE SCHOOLS AND CLASSES. SUBJECTS TAUGHT, &c.

Table showing the Classes in each of the preceding Science Schools, &c.—*continued.*

Town.	Where held.	Total No. of Individual Students.	I. Practical, Plane, and Solid Geometry.	II. Machine Construction and Drawing.	III. Building Construction or Naval Architecture.	IV. Elementary Mathematics.	V. Higher Mathematics.	VI. Theoretical Mechanics.	VII. Applied Mechanics.	VIII. Acoustics, Light, and Heat.	IX. Magnetism and Electricity.	X. Inorganic Chemistry.	XI. Organic Chemistry.	XII. Geology.	XIII. Mineralogy.	XIV. Animal Physiology.	XV. Zoology.	XVI. Vegetable Anatomy and Physiology.	XVII. Systematic & Economic Botany.	XVIII. Mining.	XIX. Metallurgy.	XX. Navigation.	XXI. Nautical Astronomy.	XXII. Steam.	XXIII. Physical Geography.
Kircubbin	Glastry National School	26	:	:	:	:	:	:	:	:	:	:	:	26	:	20	:	:	:	:	:	:	:	:	:
Larne	Model Agricultural School	29	:	:	:	20	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	14	:	:	16
Larne and Inver	National School	4	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	4	:	:	:
Lotterkenny	National School	38	:	:	:	35	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	7
Lugoniel	Wolfhill Mill	17	:	:	:	:	:	:	:	5	15	:	:	:	:	17	:	:	:	:	:	:	:	:	:
Limerick	Athenæum	14	9	3	2	15	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Lisnagry	Ahane National School	15	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Londonderry	Model School	51	:	:	:	14	:	:	:	47	:	:	:	:	:	26	:	:	:	:	:	:	:	:	26
Lough Cutra	Gwyn's Institution	26	:	:	:	8	:	:	:	26	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Lurgan	National School	8	:	:	:	:	:	:	:	:	42	:	:	:	:	:	:	:	:	:	:	28	:	:	28
"	Model School	45	:	:	:	30	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
"	Mechanics' Institution	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}
"	National School	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}	}
Macroom	National School	22	:	:	:	22	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Magherafelt	No. 2 National School	43	:	:	:	:	:	:	:	:	43	:	51	:	:	:	:	:	:	:	:	:	:	:	:
Manorhamilton	Court House	20	:	:	:	20	:	:	:	:	23	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Markethill	Coolmalish National School	14	:	:	:	6	:	:	:	7	7	:	:	:	10	8	:	:	:	:	:	14	:	:	30
Millisle	National School	10	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	40
Millstreet	Cullin National School	30	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	30	:	:	51
Monaghan	Model School	40	:	:	:	:	:	:	:	33	33	51	:	:	:	43	:	:	:	:	:	40	:	:	:
"	Corcaghan National School	52	:	:	:	:	:	:	:	33	23	23	:	:	:	:	:	:	:	:	:	51	:	:	:
"	Aghnalogh National School	28	:	:	:	:	:	:	:	:	20	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Moy	National School	20	:	:	:	13	:	:	:	:	20	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Moira	Brookfield Agricultural School	13	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Moyasta-Kilrush	National School	20	:	:	:	20	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	20	:	:	20

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Appendix B.

SCIENCE SCHOOLS AND CLASSES. SUBJECTS TAUGHT, &c.

Table showing the Classes in each of the preceding Science Schools, &c.—*continued.*

Town.	Where held.	Total No. of Individual Students.	I. Practical, Plane, and Solid Geometry.	II. Machine Construction and Drawing.	III. Building Construction or Naval Architecture.	IV. Elementary Mathematics.	V. Higher Mathematics.	VI. Theoretical Mechanics.	VII. Applied Mechanics.	VIII. Acoustics, Light and Heat.	IX. Magnetism and Electricity.	X. Inorganic Chemistry.	XI. Organic Chemistry.	XII. Geology.	XIII. Mineralogy.	XIV. Animal Physiology.	XV. Zoology.	XVI. Vegetable Anatomy and Physiology.	XVII. Systematic & Economic Botany.	XVIII. Mining.	XIX. Metallurgy.	XX. Navigation.	XXI. Nautical Astronomy.	XXII. Steam.	XXIII. Physical Geography.
Strabane - -	Tullywhisker National School.	7	:	:	:	7	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
„ - -	Parish School - -	30	:	:	:	30	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	31
„ - -	Town Hall - -	31	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Templepatrick -	Lylehill Nat. School -	13	:	:	:	:	:	:	:	13	:	:	:	:	:	60	:	:	:	:	:	:	:	:	60
Trim - - -	Model School - -	60	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Tulla - - -	National School -	12	:	:	:	12	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Tullamore - -	Charleville Schools	25	:	:	:	10	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	25
Waterford - -	Model School - -	49	:	:	:	22	:	:	:	43	:	:	:	31	:	:	:	36	:	:	:	:	:	:	:
„ - -	Newtown School -	30	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:	:
Total number of Classes -		2,204	257	247	226	221	6	57	47	134	170	191	22	64	8	220	8	27	14	4	7	22	8	25	210
„ Students -		29,956	6,413	6,388	49* / 5374†	5,073	83	1,064	1,345	3,306	4,584	5,182	873	1,643	135	6,131	151	717	310	40	74	536	349	900	7,034
310 Schools.																									

Correct,

(Signed) THOS. HEALEY.

* Naval Architecture.

16. LIST of PERSONS who have been registered in 1869 as qualified to earn PAYMENT for SCIENCE TEACHING without undergoing the usual Examinations.

During the year 1869 Honorary Science Certificates have been granted to the following gentlemen, enabling them to claim payment on results without having previously passed the examination of the Department:—

Beevor, John, M.D. - - Scarborough.
Bellow, Rev. Wm., B.A. - - High Street, Lutterworth.
Beveridge, Robt., M.A., M.B. - 36, King Street, Aberdeen.
Brereton, E. W. - - - Training College, Cheltenham.
Brewer, R. F., B.A. - - Liverpool.
Brown, Dugald B. - - - Pitt Terrace, Stirling, N.B.
Browne, Leonard - - - Ightham, Sevenoaks.
Burge, C. H. - - - - 34, Durham Street, Vauxhall, S.E.
Cartwright, G. P., B.A. - - Grammar School, Farnworth, Bolton.
Catton, T. E., B.A. - - - New Leeds College, New Leeds, Yorkshire.
Cleeland, Robt., M.A. - - Belfast.
Corin, Wm. J. - - - Liskeard, Cornwall.
David, Rev. Wm. - - Training College, Exeter.
Davies, D. J., B.A. - - - Grammar School, Northampton.
Dawson, C. J., B.A. - - Alderley Edge, Manchester.
Day, Jas. J. - - - - 53, Bedford Square, W.
Deverell, Rev. R., B.A. - - St. John's Bridge, Kilkenny.
Dewdney, Geo., B.A. - - National School, Farnham, Surrey.
Dixon, Edwd. M., B.Sc. - - Training College, Dundas Vale, Glasgow.
Dunston, J. J., M.A. - - Castle Street, Barnstaple.
Eckersley, Holland, B.A. - Troughton's Terrace, Ulverston.
Edwards, Stephen, B.A. - - Albion Terrace, Accrington.
Elder, Geo., M.B. - - - General Hospital, Nottingham.
Fawcett, John - - - Diocesan School, Sligo.
Hopkinson, Rev. E. F., B.A. - Rosehill, Derby.
Horn, Henry - - - - Dockyard, Portsmouth.
Hudson, Rev. R., M.A. - - Grantham.
Hughes, W. H., B.A. - - 4, Orchard Street, Well Street, Hackney.
Langton, John, M.A. - - Training College, Boro' Road, S.E.
Lauder, Geo., C.E. - - - Queen's College, Liverpool.
Lunge, George - - - 10, Albert Terrace, South Shields.
Macbeth, John, B.A. - - King's Hospital, Dublin.
Mackintosh, Jas., M.A. - - Drumlough N. S., Ballykeel, Dromara, Co. Down.
McLaughlin, J. S., B.A. - - Educational Inst., Dundalk.
McPherson, Rev. J. G., M.A. - Proprietary School, Hexham, Northumberland.
Mitchell, Rev. J. H., M.A. - The Vicarage, Cullingworth, Bingley.
Osborne, Rev. J. F., B.A. - 6, Sheep Street, Northampton.
Pinder, T. R., B.A., LL.B. - St. Andrew's, Norwich.
Pyper, James, M.A. - - Mercantile Academy, Belfast.
Quinton, Richd. F., B.A. - The Ranelagh, Athlone.
Ramsay, James, M.A., M.B., M.Ch. - - - - - Queen Street, Keighley.
Ranken, James, M.A. - - 5, Henstead Terrace, Southampton.
Reid, James, M.A. - - - Cushnie, Alford, Aberdeen.
Reynolds, Bion, B.A. - - 3, Frampton Villas, South Hackney, N.E.

Appendix B.

HONORARY SCIENCE CERTIFICATES.

Rowe, Rev. Geo., M.A.	Training School, York.
Scott, Rev. J.	Royal Academy, Tain, N.B.
Sergeant, L., B.A.	2, Wellington Place, Cheltenham,
Smith, R. A.	268, High Street West, Monkwearmouth.
Smith, R. H.	Sheffield.
Tatlock, Robt. R.	Glasgow.
Thomas, Robert, B.A.	Grammar School, Caistor.
Thorpe, T. E.	Owen's College, Manchester.
Tosh, Edmund G.	Church Street, Whitehaven.
Watts, W. M., D.Sc.	Grammar School, Manchester.
Wilkinson, Thomas T.	7, Pickup Terrace, Burnley.
Williamson, A., M.A.	School House, Galashiels, N.B.
Young, Rev. R. O., M.A.	Fortrose, N.B.
Zerffi, G. G.	3, Warrington Gardens, Maida Hill, W.

AID BY EXAMPLES. Aid towards cost of examples.

17. AID granted towards the COST of purchasing EXAMPLES for SCIENCE SCHOOLS, 1869.

Locality.	Name of School or Institution.	Amount of Aid. £	s.	d.
Abingdon	Science School	4	9	5½
Accrington	Science Class, Mechanics' Institution	0	16	0
Alnwick	Mechanics' Institution	2	17	0
Antrim	Night School Science Class	5	0	2½
Ashby-de-la-Zouch	Mutual Improvement Institution	8	19	1
Banstead	Science Class	5	4	1
Battersea	Christ Church School	0	9	0
Battersea	" "	1	4	0½
Bethnal Green	National School	10	18	3
Birkbeck	Science School	2	0	0
Birmingham	School of Art	1	0	0
Birmingham	Bloomsbury Institution	4	18	6
Birmingham	Science Class, Clarendon Chambers	5	12	0
Birmingham	Bloomsbury Institution	0	16	0
Bishop Auckland		2	19	4
Blackley	Science Class	2	2	0
Bolton	Science Class, Mechanics' Institution	4	14	6
Boston	Science and Art School	1	14	3
Boston	Science Class	1	5	3
Brechin	Science and Art School	0	3	6
Bristol	Trade and Mining School	9	5	0
Burnley	Mechanics' Institute	0	19	3
Burnley	" "	1	1	1
Calverley	Mechanics' Institution	1	13	10½
Cooraclare	National School	7	19	3
Cooraclare	" "	2	13	9
Cork	School of Art	2	14	9
Cottown	Science School	10	15	2½
Cullybackey	National School	2	11	7
Cullybackey	" "	0	19	3
Cullybackey	" "	1	11	0
Devon	Mechanics' Institution	1	4	6

Aid by Examples granted to Science Schools, 1869—*continued.*

Appendix B.

AID BY EXAMPLES.

Aid towards cost of examples.

Locality.	Name of School or Institution.	Amount of Aid. £	s.	d.
Dewsbury	Mechanics' Institution	5	19	0
Dewsbury	" "	3	5	3
Donaghadee	Science School	9	2	9½
Donaghadee	National School	1	0	0
Down	Agricultural School	6	11	6
Downpatrick	John Street Night School	2	5	6
Droylsden	Science Class	2	13	9
Dudley	Blue Coat School	6	12	6
Dumbarton	Burgh Academy	14	10	7½
Dundrod	National School	3	3	0
Eccleshill	Mechanics' Institution	1	5	4½
Edinburgh	Watt's Institute, School of Art	5	13	6
Elland	Science School	1	12	6
Enniscorthy	" "	3	0	11½
Gateshead	Science Class	4	13	4½
Gateshead	" "	2	8	0
Gateshead	" "	1	4	0
Gee-Cross	Hyde Chapel School	4	14	6
Hampton	Commercial School	1	6	4½
Holywell Green	Mechanics' Institution	1	19	7½
Huddersfield	" "	1	13	9
Huddersfield	" "	2	10	0
Huddersfield	" "	6	3	1
Huddersfield	Mechanics' School	1	9	3
Huddersfield	St. Paul's Night School	0	6	0
*Halifax	Science Classes	5	6	9
Islington	Public School	5	3	11
Kilmarnock	Science School	1	12	0
Kilkenny	Science Class Model School	3	8	10
Killylea	Science Class	0	17	3
Lanark	Mechanics' Institution	4	9	3
Leeds	St. Peter's Night Class	6	7	6
Leeds	Working Man's Institute	0	19	9
Leeds	Art and Science School	1	8	10½
Leeds	" "	0	3	3
Leicester	Science Class	4	18	6
Ligoniel	" "	3	3	0
Lindley	Mechanics' Institute Science Class	7	13	4
Lindley	Mechanics' Hall	7	19	8½
Lisded	National School	0	10	3
Liskeard	Phynological Class	2	16	3
Lutterworth	Science School	1	9	1
Manchester	Mechanics' Institution	5	7	3
Middleton	Science Class	2	1	6
Mow-Cop	" "	0	4	9
Newcastle-on-Tyne	Mechanics' Institute	5	6	8
Northampton	Museum	3	4	6
Northampton	"	3	11	1½
Northampton	"	2	12	6

Appendix B.

AID BY EXAMPLES. Aid towards cost of examples.

Aid by Examples granted to Science Schools, 1869—*continued.*

Locality.	Name of School or Institution.	Amount of Aid. £ s. d.
Northumberland -	Science Class - - -	1 16 9
Oldcastle - -	Endowed School - - -	1 12 3
Oxford - - -	Science School - - -	1 12 10½
Pavenham - -	Church of England School -	3 5 9½
Pavenham - -	„ „ - -	1 14 6
Plymouth - -	Science School - - -	5 19 9
Portaferry - -	Science Class - - -	8 3 4
Rawtenstall - -	Irwell Institution - - -	7 5 9
Rochdale - -	Science Class - - -	5 1 2
Rochdale - -	Science Class British School -	5 17 2½
Southampton - -	Harley Institution - -	2 4 5
Southwark - -	Working Man's College - -	5 16 11
Smethwick - -	Science Class - - -	1 1 0
St. Ainland - -	„ „ - - -	1 0 3½
Thornton - -	Mechanics' Institution - -	0 15 1½
Torquay - -	Science and Art School - -	2 1 0
Torquay - -	Science School - - -	4 12 9
Truro and Redruth -	Miners' Association - -	1 15 0
Tyne Docks - -	Mechanics' Institution - -	0 19 3½
Waterford - -	Science School - - -	2 17 9
West Bromwich -	St. Peter's Science Classes -	1 1 0
Wolverhampton -	St. John's Schools - -	1 3 0½
Worcester - -	Trade School - - -	3 7 6
	Total - - -	357 15 5½

Examined JOSEPH CUNDALL.

PRIZES TO SCIENCE SCHOOLS.

18. DETAILS of PRIZES issued to SCIENCE SCHOOLS and CLASSES, 1869.

	Quantity.	Value. £ s. d.	Total Value. £ s. d.
SCIENCE SCHOOLS.			
Book Prizes, &c. - - -	2,325	- - -	610 13 8
Medals.			
Gold Medals and Cases - -	10	72 8 4	
Silver Medals and Cases - -	12	15 16 0	
Bronze Medals and Cases - -	23	13 0 8	
Total -	45		101 5 0
Total -	2,370	- - -	711 18 8

W. G. GROSER, Storekeeper.

19. Payments to Teachers on the Results of the Science Examinations, 1869.

Appendix B.

Payments to Science Teachers.

Teachers.	Subjects.	Amount paid.	School or Schools, with the Amount of the Claims (unreduced) for each.
		£ s. d.	
ENGLAND AND WALES.			
Adair, Simon	IV.	42 0 0	Liverpool Inst.
Andrews, Hy.	VIII., IX., XIV.	28 0 0	Nottingham M. Hall.
Angell, John	VIII., IX., X., XIV.	78 0 0	Manchester M. I., 84*l.*
Angel, Hy.	I., II., XIV.	94 0 0	Lower Islington P. Sch. Bethnal Green Nat. Sch.
Annis, Samuel	I., II.	31 0 0	Westminster, St. James'.
Ashwell, Rev. A. R.	XIV.	23 0 0	Durham Trg. College.
Atkins, Edw. B. Sc.	IV., VIII., IX., X., XI.	87 15 0	Leicester, St. Martin, 97*l.*
Bagley, Thos. B. A.	IV., VI.	5 0 0	Birmingham, Deritend W. M. A.
Balkwill, Fredk. P.	XVI., XVII.	28 0 0	Plymouth Science Sch., 22*l.* Devonport M. I., 6*l.*
Barkby, E., B. A.	XXIII.	138 10 0	Southwark, Boro' Road Tr. College, 197*l.*
Bartlett, Hy. G.	II., III.	15 0 0	Stepney Red Coat Sch., 2*l.* Vauxhall, Wandsworth Rd., 13*l.*
Bates, Joseph	XXIII.	8 0 0	Coventry Nat. Sch.
Beale, John H.	XIV.	14 0 0	Banbury B. Sch.
Bentley, John	I., II., III.	22 0 0	Birkenhead Sch. of Art.
Betley, Ralph	X.	9 0 0	Wigan.
Bickerton, Alex. W.	I., II., III., VIII., IX., X., XII., XIV.	227 10 0	Wandsworth R. P. F. S., 15*l.* Chelsea, Arthur St., 23*l.* Knightsbridge, 25*l.* Nine Elms Lecture Room, 33*l.* Hampton, 17*l.*
Billingham, Edwin	X.	4 0 0	Teddington.
Binns, Alfred	X.	17 0 0	Woodville.
Board, Geo.	X., XXIII.	8 0 0	Wolverhampton, St. John's.
Bond, Geo.	XIV.	45 0 0	Kentish Town, 22*l.* Hackney, St. Thomas', 23*l.*
Bond, Fran. T., M.D.	VIII., X.	53 0 0	Southampton Hartley In.
Booth, H. C.	XXIII.	8 0 0	Wolverhampton, St. Peter's.
Booth, Isaac	I.	4 0 0	Denton M. I.
Bournes, Thomas	X.	20 0 0	St. Helen's, 9*l.* Warrington, 11*l.*
Brears, William	I., IX.	10 0 0	Barnsley Market Street Sch.
Bradbury, Alfred A.	I., II., III.	30 0 0	Brixton Hill.
Breakwell, William	VI., X.	10 0 0	Wolverhampton, St. Luke's.
Brewer, R. F.	XIV., XXIII.	8 0 0	Liverpool Inst.
Brittle, John R.	VI., VII.	24 0 0	Woolwich Rl. Arsl. M. I.
Browne, Leonard	XII., XXIII.	75 0 0	Woolwich Presbyn. Sch., 11*l.* Lambeth Boys' Sch., 17*l.* Upper Berkeley St., W., 3*l.* Paddington, St. James' Sch. 37*l.* Woolwich, Dundas Terrace, 12*l.*
Browne, Mrs.	XII.	6 0 0	Woolwich Presbyn. Sch., 6*l.*
Brown, Harry	XIV.	15 0 0	Battersea, Christ Sch., 15*l.*
Brown, Thomas	I., II., III.	64 10 0	Accrington M. I., 14*l.* Colne Gramr. Sch., 33*l.* Chorley, 19*l.*
Brooks, Wm. W.	VIII.	21 0 0	Kettering B. Sch.
Bryant, James E.	X.	12 0 0	Redditch N. S.
Bristol Trade Sch. teachers, T. Coomber, E. C. Plant, and J. Welsh	I., II., III., IV., VI., VII., IX., X.	653 0 0	
Buckley, Hy. C.	II., III., XIV., XXIII.	53 0 0	Birmingham, St. Mark's, 36*l.* „ St. Clement's, 17*l.*

Appendix B.

PAYMENTS TO SCIENCE TEACHERS.

Payments to Science Teachers—*cont.*

Teachers.	Subjects.	Amount paid. £ s. d.	School or Schools, with the Amount of the Claims (unreduced) for each.
Bulpitt, W. T.	VIII., IX., X., XII., XIV., XV., XXIII.	236 10 0	Birmingham, St. Geo.'s Sch., 63*l.*; „ Bloomsbury, 29*l.*; „ Midland Inst., 34*l.*; „ St. Mary's Sch., 31*l.*; „ Deritend W.M.A., 20*l.*; „ Aston, 14*l.*; „ Saltley Trg. Coll., 202*l.*
Burchall, Chas.	I.	14 10 0	Earlestown M. I. Society.
Burton, C.	XIV.	2 0 0	Birmingham, 12 Ann St.
Busbridge, Josh.	III.	33 0 0	Waterloo Road.
Busbridge, Walter	I., II., III.	82 10 0	Vauxhall, Baptist Chapel, 19*l.*; Deptford, St. Paul's, 16*l.*; Woolwich, St. Thomas', 31*l.*; Westminster, St. James', 24*l.*
Bush, James	I., II., IV., VI., X.	45 0 0	Cardiff Free Library.
Byatt, Horace	I., II.	70 10 0	Chatham, St. Mary's Sch., 56*l.*; New Brompton, 10*l.*; Woolwich, St. Michael's, 8*l.*
Candler, Geo.	III.	17 0 0	Plumstead.
Carter, Wm., B. Sc. LL. B.	VI., VIII., IX., X.	63 0 0	Liverpool Free Library, 64*l.*
Catley, Wm.	I., II., III.	13 0 0	Notting Hill.
Causer, William G.	II.	13 0 0	Dudley M. I., 7*l.*; Birmingham Mid. Cl. Sch., 6*l.*
Chaloner, G.	X.	7 0 0	Chancery Lane.
Charlesworth, T.	III.	39 0 0	Woolwich, St. Thomas'.
Child, T.	I., II., III.	19 0 0	Bermondsey.
Churchill, C.	II., III.	8 0 0	Lewisham, St. Mary's N. S.
Clark, John J.	IV.	6 0 0	Woolwich Rl. Arsnl. M. I.
Chelsea, St. Mark's Coll.; teachers, Rev. C. F. Eastburne, Rev. C. S. Dawe, W. Lawson, and W. T. Harrison	I., IV., XXIII.	230 0 0	
Cleminson, J.	II.	64 10 0	Gray's Inn Road, 66*l.*
Clement, Leonard	IV., VIII., IX.	33 0 0	Nelson-in-Marsden.
Cockman, Abraham	X.	15 0 0	Grantham Boys' N. S.
Cole, Frederick	IV.	45 0 0	Swansea.
Collins, J. H.	[illegible], XII., XIII.	55 0 0	Breage, 22*l.*; Redruth, 13*l.*; Carharrack, 6*l.*; Truro Rl. Inst., 14*l.*
Collins, John	VI., VII., VIII., IX., X., XII., XIV., XVIII.	60 15 0	Bolton Sci. and Art Sch., 56*l.*; Kersley, 5*l.*
Constable, John	I., II., III., VII.	25 0 0	Thorne, 6*l.*; Doncaster, 19*l.*
Conning, James	I., II., III.	37 0 0	Goswell Rd., E.C., 27*l.*; Lambeth Boys' Sch., 10*l.*
Coomber, Thos.		(See Bristol Trade Sch.)	
Cope, J. G., B.A.	VI., X., XIV.	16 0 0	Preston Inst. for Diffusion of Knowledge.
Courtman, R. S.	I., II., III.	20 0 0	Woolwich Presbyn. Sch. (Joint Claim with R. S. Redding.)
Craister, Walter	I., II., III.	78 15 0	Chester M. I., 49*l.*; Crewe M. I., 36*l.*
Crawley, Samuel	X.	19 0 0	Masham Gramr. School.
Crawshaw, R.	I., III.	5 0 0	Haslingden M. I.
Crawshaw, Jas.	I., III.	12 0 0	Heywood M. I.
Culham Trg. College; teachers, Rev. J. Ridgway, and Rev. A. Herbert	IV., XIV., XXIII.	86 0 0	
Curtis, J. C.	X.	120 10 0	Southwark, Boro' Rd. Coll., 161*l.*

Payments to Science Teachers—*cont.*

Appendix B. PAYMENTS TO SCIENCE TEACHERS.

Teachers.	Subjects.	Amount paid. £ s. d.	School or Schools, with the Amount of the Claims (unreduced) for each.
Dale, John	I., II.	9 0 0	Alderley Edge.
Dance, Wm.	II., III.	11 0 0	Dartford N. Sch.
Davies, S. W.	I., IX., XII., XIV.	67 10 0	Knightsbridge, 35*l.* Nine Elms Lecture Room, 35*l.*
Davies, James	XIV.	4 0 0	Birmingham, Clarendon Chambers.
Davies, Geo. Wm.	IX., XII., XIV.	29 0 0	Stockport M. I., 19*l.* „ Sunday Sch., 10*l.*
Davis, Wm. S.	VI., VII., IX., X., XI., XII., XIV., XV., XVI., XIX., XXIII.	139 0 0	Cheltenham, Whitworth Sch., 198*l.*
Davison, Wm.	VIII., XIV.	21 0 0	Wolverton.
Dawe, Rev. C. S.	(See Chelsea, St. Mark's Trg. College.)		
Davenport, Thos.	I., II., III.	32 0 0	Stockport M. I.
D'Urban, W. S. M.	XVI., XVII.	10 0 0	Exeter.
Dodd, William	XIV.	9 0 0	Bromsgrove Lit. and M. I.
Dorrell, Henry B.	I., II., III.	28 0 0	Slough M. I., 14*l.* Marylebone, Quebec W. M. C. 3*l.* Windsor M. I., 11*l.*
Dorrell, Chas. F.	II., III.	26 0 0	Slough M. I., 19*l.* Marylebone, Quebec W. M. C. 7*l.*
Dorrell, John	I.	34 0 0	Slough M. I., 21*l.* Windsor, 13*l.*
Downar, George F.	X., XIV., XIX.	58 0 0	Woolwich, St. Thomas, 18*l.* Plumstead, 10*l.* Regent St., Royal Polytechnic, 30*l.*
Downar, Wm. A.	II.	18 0 0	Canning Town.
Downing, Sampson	IX., XIV.	15 0 0	Bodmin Lit. Inst.
Duckett, J. B.	VI.	5 0 0	Bethnal Green N. S.
Duckett, William	I., II., III.	90 0 0	Paddington, Greville House, 34*l.* Woolwich Rl. Arsnl. M. I., 52*l.* Croydon Lit. I., 14*l.*
Duerr, Geo.	X.	24 0 0	Rochdale M. I., 14*l.* Heywood M. I. } 10*l.* Hopwood, }
Duffy, F. P.	XIV.	9 0 0	Long Acre.
Duff, Charles	I.	6 0 0	N. Bow, Old Ford Sch. Room.
Dumas, J.	IV.	2 0 0	Brigstock.
Dunstone, Jos. J., M.A.	IV.	4 0 0	Barnstaple.
Eastburn, Rev. C. F.	(See Chelsea, St. Mark's Trg. Coll.)		
Eckersley, Holland	XIV.	3 0 0	Ulverstone Temperance Hall.
Edmonds, F.	II.	6 0 0	Southampton Hartley Inst.
Ellercamp, H.	II.	38 0 0	Deptford, St. Paul's.
Ellis, Alfred	II., III.	63 15 0	Woolwich, St. Thomas, 39*l.* Grays Inn Road, 26*l.*
Embrey, Geo.	VIII., IX.	27 0 0	Birmingham, St. Paul's, 17*l.* „ Church of the Saviour, 10*l.*
Evers, Henry	II., IV., VII., VIII., XXII., XXIII.	117 0 0	Plymouth Sci. Sch., 48*l.* Tavistock, Gulworthy, 27*l.* Plymouth, Charles Sch., 79*l.*
Ewart, E. B.	X.	32 0 0	Liverpool Inst.
Ewens, Fredk. T.	VIII., IX., X., XII., XIV., XIX.	63 0 0	Worcester Guild Hall, 31*l.* Cheltenham Sch of Sci., 4*l.* Bristol Y. M. Ch. Ass., 29*l.*
Faunthorpe, Rev. J. P.	IV.	68 5 0	Battersea Tr. Coll., 71*l.*
Farncomb, Edw.	I., XIV.	11 0 0	Limehouse, St. Ann's.
Farlie, John L.	III.	15 0 0	Chatham, St. Mary's, 8*l.* Woolwich, St. Michael's, 7*l.*
Farlie, Charles J.	I., II., III.	60 0 0	Woolwich Nat. Sch., 22*l.* Plumstead, 38*l.*
Fitze, W. J.	IV.	9 0 0	Pembroke Dock.
Fleming, John	VIII., IX., XIV.	34 0 0	Southminster N. Sch.
Foster, Jos. B.	III.	16 0 0	Plymouth Charles N. S.
French, Alfred	XVII.	11 0 0	Banbury M. I.
Francis, Henry	X., XIII.	5 0 0	Breage.

Appendix B.

PAYMENTS TO SCIENCE TEACHERS.

Payments to Science Teachers—*cont.*

Teachers.	Subjects.	Amount paid. £ s. d.	School or Schools, with the Amount of the Claims (unreduced) for each.
Gaud, John H.	VIII.	27 0 0	Tavistock, Gulworthy.
Gaud, John W.	XXIII.	16 0 0	" "
Gane, William	XX.	8 0 0	Boston, N. S.
Garner, Saml.	XIV.	30 0 0	Brigstock.
Gaze, Edw. H. J.	I., II., III.	36 0 0	Poplar, All Saints' N. S.
Gee, William	VI., VIII., XXIII.	46 0 0	Stockport, M. I., 26*l.* Denton M. I., 7*l.* Manchester M. I., 13*l.*
Geoffroi, Henry	I.	28 0 0	Penzance Sch. of A. and Sci.
Gibsone, Rev. B. W.	X.	4 0 0	City of London College.
Gibson, George H.	X.	11 0 0	Ashby-de-la-Zouch.
Gilbert, Herbert	I., II.	9 0 0	Preston, 6*l.* Lancaster, 3*l.*
Girling, Richd. G. S.	XXIII.	27 0 0	Peterbro', St. Peter's College.
Glover, Alfred W.	XIV.	24 0 0	Pavenham, 7*l.* Bedford, 17*l.*
Goffin, Robt.	X., XIV.	26 0 0	Woking.
Goffin, Jane	XXIII.	7 0 0	"
Goodwin, Jos. W.	X., XIV.	12 0 0	Stockport M. I.
Goyer, A.	IX.	18 0 0	Wolverton.
Graves, John J.	IX.	28 0 0	Lamport, 9*l.* Brixworth, 19*l.*
Grant, James	X., XIV.	4 0 0	Burnley, Carlton Road.
Green, Fredk.	XIV.	15 0 0	Dudley.
Grugeon, Alfred	XVI.	1 0 0	Great Ormond St.
Gubb, Edwin	X., XIV.	37 0 0	Oxford, 24*l.* Abingdon, 13*l.*
Gubb, Mrs.	XIV.	6 0 0	"
Hamlyn, Edwin	IV., VIII., XX., XXI.	16 0 0	Dartmouth.
Hardy, James	VIII., IX., XIV.	66 0 0	Woolwich, St. Th., 21*l.* Regent St., Roy. Polytechn. Inst., 47*l.*
Harrison, W. T.	(See St. Mark's Coll., Chelsea.)		
Harnett, Rev. F. W.	IV., VI., VII., X., XII., XXIII	39 0 0	Wolverton.
Haslam, Wm.	IV.	1 0 0	Hollinwood.
Haworth, Rev. T. J., B.A.	IV.	75 0 0	Saltley Training College, 80*l.*
Head, Albert T.	XIV.	4 0 0	Kingsbridge.
Hearder, Jno. N.	IX., X.	21 0 0	Plymouth, Polytechnic.
Heller, Thos. E.	XXIII.	32 0 0	Lambeth Boys' School.
Heney, James	XIV.	9 0 0	Bethnal Green Birkbeck Sch.
Hepburn, Richd.	I., II., III.	40 0 0	Woolwich, Rectory Place, 30*l.* Islington, 23, Penton St., 10*l.*
Henty, G. M.	XVIII.	11 0 0	Breage.
Herbert, Rev. A.	(See Culham.)		
Hermann, J.	II., III.	11 0 0	Lambeth Boys' School.
Hewison, Rev. G. H.	IV.	1 0 0	York Institution.
Hick, Thomas, B.A.	IV., V., VI.	12 0 0	Leeds Mech. Inst.
Hill, Saml. T.	XIV., XXIII.	8 0 0	West Bromwich.
Hingston, C. Albert	XIV., XV.	11 0 0	Plymouth Sci. Sch.
Holland, James	XIV.	3 0 0	Bacup.
Holl, Joseph	XVI.	2 0 0	Salford W. M. College.
Hollinshed, T. M.	VIII., IX.	10 0 0	Maldon, M. I.
Hosford, F. F.	I., III.	10 0 0	Swansea.
Hopper, Thomas	IV., VI.	47 0 0	Deptford, St. Paul's, 20*l.* Woolwich, St. Thomas, 27*l.*
Horton, F. C.	IV., VIII., XIV.	75 0 0	Wolverhampton, St. Peter's, 56*l.* Oldbury, Messrs. Chance, 24*l.*
Howard, C. C.	XXIII.	35 0 0	Durham Tr. Coll.
Howard, John	IX., X., XIV., XV., XXIII.	98 0 0	Hackney, St. Thomas, 28*l.* Lower Islington P. Sch., 93*l.*
Howard, Vernon	I., II., III.	29 0 0	Boston Art School.
Hudson, W.	I., II., III.	10 0 0	Southwark W. M. Club. 3*l.* Bermondsey, W. M. I., 7*l.*
Hurst, Washington	I., II., III.	105 10 0	Droylsden, 26*l.* Blackley, 30*l.* Compstall, 32*l.* New Mills, 10*l.* Stalybridge M. I., 33*l.*

Payments to Science Teachers—*cont.*

Teachers.	Subjects.	Amount paid. £ s. d.	School or Schools, with the Amount of the Claims (unreduced) for each.
Ingram, John S.	XIV.	1 0 0	Newton Schoolroom.
Isherwood, Thos.	VIII., IX., X., XI., XIV., XV.	81 15 0	Accrington M. I., 41*l.*; Blackburn, Wes. Sch., 37*l.*; Darwen, 12*l.*
Jack, D.	I., II.	80 5 0	Murton Colliery Sch., 55*l.*; Sealham, 32*l.*
James, Henry A.	IV.	56 0 0	Cheltenham Tr. Coll.
Jarmain, Geo.	VIII., X., XI.	114 0 0	Wakefield (Schoolmasters' Class), 19*l.*; Huddersfield M. I., 21*l.*; Leeds (Schoolmasters' Class), Class), 69*l.*; Elland, 24*l.*; Halifax W. M. Coll., 14*l.*; Brighouse M. I., 1*l.*
Jefferson, Samuel	X.	25 0 0	Leeds, St. Peter's N. S., 10*l.*; „ Workg. M. Inst., 6*l.*; „ Young M. Ch. Assn., 9*l.*
Jeffery, Walter	IV., VIII., IX., X., XI., XIV., XIX.	52 0 0	Gloucester Blue Coat Sch., 29*l.*; „ 10, Eastgate St., 23*l.*
Jones, Thomas	I., II.	96 10 0	Dukinfield, 28*l.*; Glossop Free Town W. M. I., 42*l.*; Hulme, 20*l.*; Ashton, 15*l.*; Ramsbottom, 8*l.*
Jones, Thomas	II., III.	61 10 0	Woolwich Roy. Arsl. M. I., 62*l.*
Jones, James C.	IX.	9 0 0	Towcester.
Jones, Mrs. E. S. L.	XXIII.	11 0 0	Woolwich. 13, Dundas Terrace.
Jones, John	I., II., III., IV., XX., XXI.	*4 0 0 81 0 0	Llanelly Copper W. Sch., 88*l.*
Jones, Mrs. Annie	XXIII.	6 0 0	Llanelly Copper W. Sch.
Jones, G. F.	XIV.	4 0 0	Birmingham, New Jerusalem.
Kay, William	I., II., III.	28 0 0	Droylsden, 26*l.*; Manchester, St. Geo.'s, 2*l.*
Kehde, H.	I., II., III.	51 0 0	Kilburn. St. Mary's Sch.
Kershaw, Thomas, jun.	I., II., III.	127 10 0	Mossley M. I., 11*l.*; Oldham, Glodwick, 40*l.*; Huddersfield, M. I., 105*l.*; Lees nr. Manchester, 19*l.*
Kershaw, Jon.	I.	2 0 0	Friezland Ch. Ch. Sch.
Kitto, Benedict	X.	11 0 0	Breage.
Knibbs, Henry	IX.	20 0 0	Banstead.
Langton, J., M.A.	XIV.	12 0 0	Southwark, Boro' Road B. M. S.
Langler, John R.	XXIII.	139 0 0	Westminster Wes. Tr. College, 98*l.*
Law, Edwin	XIV.	2 0 0	Salford W. M. Coll.
Lander, Geo.	VII., XXII.	9 0 0	Liverpool Inst.
Lawson, William		(See St. Mark's Coll., Chelsea.)	
Lees, Charles	VIII., IX.	113 10 0	Northampton, 147*l.*
Lewis, Edw. W.	XXIII.	21 0 0	Leighton Buzzard.
Lightbown, Jas. H.	X., XI.	11 0 0	Manchester, Corpn. Street.
McCarty, W. W.	II., III.	5 0 0	Marylebone Centl. Sch.
McVail, David C.	X.	7 0 0	Alnwick Mech. Inst.
Mackrell, Isaac	IX., X.	6 0 0	Tebworth.
Major, H.	XXIII.	24 0 0	Nottingham Mech. Hall.
Mansford, C., B.A.	IV.	66 0 0	Westminster Wes. Tr. Coll., 68*l.*
Marsh, William	XXIII.	4 0 0	Thorpe Hamlet, Norwich.
Martin, James	IV., XXIII.	9 0 0	Battersea, Sir Walter St. John's Sch.
Mears, Miss Julietta P.	XXIII.	58 0 0	Lincoln Tr. College.
Meek, James	II.	91 0 0	Newcastle-on-Tyne M. I., 71*l.*; Hetton Colliery Sch., 31*l.*
Mellor, James	I., II., III.	83 5 0	Wernoth, 4*l.*; Manchester Mech. I., 87*l.*
Meredith, John	IX.	7 0 0	Great Creaton.
Merrifield, John	IV., V., VI., XX., XXI., XXIII.	63 10 0	Plymouth Sci. Sch., 34*l.* 13*s.* 4*d.*; Tavistock Nat. Sch., 26*l.*; Plymouth Navign. Sch., 4*l.*
Miller, Samuel H.	XIV.	29 0 0	Wisbech W. M. I.

* On the results of the Quarterly Examinations of September and December, 1868.

Appendix B.

PAYMENTS TO SCIENCE TEACHERS.

Payments to Science Teachers—*cont.*

Teachers.	Subjects.	Amount paid. £ s. d.	School or Schools, with the Amount of the Claims (unreduced) for each.
Moffatt, William	IV., VIII., IX., X., XIV.	71 5 0	Tavistock Brit. Sch., 62*l.* " St. Mary Tavy Sch., 13*l.*
Molison, Alex.	VI., VII., VIII., IX.	29 0 0	Swansea.
Monks, Peter	I., II., III.	96 10 0	Rumworth, 5*l.* Altrincham, 36*l.* Salford W. M. C., 56*l.* Farnworth M. I., 16*l.*
Moore, Edward W.	IV., VI.	7 0 0	Portland.
Morley, John	I.	32 0 0	Deptford, St. Paul's Sch.
Muxlow Thos., B.A.	IV.	3 0 0	Alnwick M. I.
Newton, Isaac	I., II., III.	12 0 0	Shaw.
Newman, Geo.	II., III.	25 0 0	Vauxhall Baptist Chapel Sch.
Nichols, Thos.	I., II.	34 0 0	Wolverton.
Norman, C.	II.	49 0 0	Waterloo Road.
Norman, Miss Sarah A.	IX.	5 0 0	Weedon Girls' School.
Noble, John	IX., X.	57 0 0	Woolwich Gen. Sch. and Laboratory.
Noyes, Henry J.	I., III.	5 0 0	Shrewsbury.
Oats, Francis	X., XIII.	13 0 0	St. Just, 6*l.* Pendeen, 7*l.*
Okey, James	XII.	5 0 0	Stroud Institute.
Owen, Arthur	IV., XXIII.	14 0 0	Banbury Brit. Sch.
Packer, Matt. W.	X., XIV.	12 0 0	Wollaston, 3*l.* Kinver, 7*l.* Wolverhampton, St. Peter's, 2*l.*
Pady, William J.	XIV.	1 0 0	Modbury.
Parker, James	I., II., III.	14 0 0	Charterhouse Sch. of Art.
Padmore, Samuel	IV., IX.	18 0 0	Leicester, St. Margaret's.
Parry, Parton	I., II.	40 0 0	Stepney, Red Coat School, 7*l.* Swan St., Boro', 26*l.* Vauxhall, Wandsworth Road, 7*l.*
Parnell, George	VIII., X., XIV.	42 0 0	Hyde Mech. Inst., 27*l.* Newton Heath, 15*l.*
Pascoe, John	XIV.	7 0 0	Huntingdon.
Patchett, Isaac	IX., X., XXIII.	95 10 0	Birstall, 79*l.* Gomersal, 6*l.* Wakefield Y. M. Soc., 20*l.*
Percy, Cornelius M	I., II.	23 0 0	Wigan.
Perkins, Frank P.	X., XII.	26 0 0	Exeter.
Phillips, Wm.	XIV.	9 0 0	Redruth Lit. Inst.
Philip, James, M.A.	IV.	3 0 0	Oldham Sci. and Art Sch.
Phythian, J. P.	I., II., VI., VII.	28 0 0	"
Pike, Robt. W.	VIII., IX., XIV., XV.	78 15 0	Bethnal Green Birkbeck Sch., 85*l.*
Pinnington, William	X., XIV., XXIII.	17 0 0	Eagley.
Plant, Edmund C.		43 5 0	See also Bristol Trade School. Westbury-on-Trym, 29*l.* Worcester Sch. of Art, 57*l.* 10*s.*
Plant, Arthur U.	I.	21 0 0	Westbury-on-Trym.
Potter, John W.	XIV.	6 0 0	Maldon.
Prosser, William	X., XII., XIV.	62 5 0	Kendal, 23*l.* Lancaster M. I., 40*l.*
Pullen, Moses	I.	6 0 0	Southwick.
Raimbach, David W.	I., II., III.	47 0 0	Birmingham Sch. of Art.
Rathbone, Thos. H.	II., III.	8 0 0	Stockport Sunday School.
Redding, Mr.			(See Courtman, R. S.)
Reynolds, W. J., M.A.	IV., VI., VIII., IX., X., XXIII.	124 0 0	Chelsea Roy. Mil. Asy., 168*l.*
Richardson, J.	X., XI., XIV.	24 0 0	Salford W. M. Coll., 11*l.* Hulme W. M. I., 13*l.*
Richardson, Henry	XVI.	6 0 0	Hulme, W. M.'s Inst.
Rickard, George J.	I., II., III.,	42 0 0	Plymouth Sci. School.
Ricks, Geo. B. Sc.	XII., XIV.	55 0 0	Marylebone Central Sch.
Ridgway, Rev. J.			(See Culham Coll.)
Rider, Alonzo J.	IX., X.	85 10 0	Plymouth Sci. Sch., 79*l.* Tavistock Nat. Sch., 15*l.*
Rigby, Joseph	IX.	20 0 0	Daventry Grammar Sch., 12*l.* Flore Endowed Sch., 8*l.*
Riley, John	X.	3 0 0	Droylsden.

Payments to Science Teachers—*cont.*

Teachers.	Subjects.	Amount paid. £	s.	d.	School or Schools, with the Amount of the Claims (unreduced) for each.
Robinson, Edward	XII., XXIII.	38	0	0	York Blue Coat Sch., 28*l.* York Institute, 10*l.*
Roberts, George	XIV., XXIII.	155	0	0	Battersea Tr. Coll., 230*l.*
Rowe, Rev. G.	IV., XXIII.	38	0	0	York Tr. Coll.
Rowden, W. T.	I., II., III., VII., X.	205	0	0	Newcastle-on-Tyne M. I., 147*l.* Hetton Colliery Sch., 50*l.* Blythe Waterloo Sch., 42*l.* Monkwearmouth Colly. Sch., 19*l.* Seaton Delaval, 72*l.*
Robjohns, Francis	I., II., III.	13	0	0	Tavistock Sch. of Art.
Sadler, Alfred	I.	63	15	0	Gray's Inn Road, 65*l.*
Sanderson, Newlove	IV.	12	0	0	Sheffield, St. George's, 5*l.* Sheffield Church Inst., 7*l.*
Saunders, John	II., III.	26	0	0	North Bow.
Sayle, James	XIV., XXIII.	8	0	0	Blackburn, St. Peter's.
Scaping, Zebedee	IV., XX., XXI., XXII., XXIII.	115	10	0	Hull Nat. Sch., 151*l.*
Scheffer, Dr.	X.	16	0	0	Swansea.
Schofield, J.	I.	2	0	0	Manchester Roby Soc.
Sergeant, Lewis, B.A.	IV.	2	0	0	Cheltenham Whitworth Sch.
Severs, George	IX., X.	90	0	0	Bradford Mech. I., 24*l.* Bingley M. I., 28*l.* Saltaire, 40*l.* Wilsden, 8*l.*
Shaw, John	X.	32	0	0	Dewsbury, 14*l.* Holywell Green, 18*l.*
Sheppard, William	IV.	6	0	0	Exeter Albert Mech. Inst.
Shipman, Charles	I., II., III.	55	0	0	Plumstead, 24*l.* Canning Town, 31*l.*
Shorrocks, J. H.	XXIII.	14	0	0	Salford W. M. C.
Shore, Thomas W.	VI., VIII., IX., X., XIV., XVI., XXIII.	91	0	0	Bacup M. I., 19*l.* Haslingden M. I., 11*l.* Burnley Lit. I., 42*l.* „ M. I., 24*l.* Padiham, 6*l.*
Saville, Arthur	I.	4	0	0	Miles Platting.
Simpson, Bentham	IV., VIII., IX., XII., XXIII.	118	10	0	Bethnal Green N. S., 157*l.*
Smith, Henry H.	I., II., III.	36	0	0	Stratford.
Smith, Alfred F.	I., II.	29	0	0	Birmingham, Bloomsbury Inst., 21*l.* „ Clarendon Chambers, 8*l.*
Smith, Paul L.	XII., XIV., XVII.	44	0	0	Stroud, 32*l.* Stonehouse, 5*l.* Nailsworth, 7*l.*
Smith, David	III., X., XXIII.	37	0	0	Birmingham, Bloomsbury Inst., 22*l.* „ Clarendon Chambers, 12*l.* „ Graham St., 3*l.*
Smith, A. F., B.A.	IV., VI.	100	10	0	Southwark, Boro' Rd. Training Coll., 121*l.*
Snell, John	IV., XXIII.	14	0	0	Truro Brit. Sch.-room.
Sparkes, John	II., III., XIV.	7	0	0	Lambeth Sch. of Art.
Spencer, Peter	XII., XIV.	44	0	0	Oldbury Nat. Sch.
Spencer, James	VIII., XIV., XXIII.	49	0	0	Worcester.
Spriggs, Christopher	I., II., III.	109	10	0	Bury, 50*l.* Bolton M. I., 18*l.* Blackburn Wes. Sch., 7*l.* Bolton Sci. and Art Sch., 27*l.* Halliwell, 4*l.* Farnworth, 10*l.* Preston Inst. for Diffusion of Knowledge, 23*l.*
Stanton, George	I., II.	21	0	0	Chatham, New Brompton.
Stead, Wilbraham	IX., X.	11	0	0	Middlesboro', St. John's Sch.
Stopford, W. H.	I.	2	0	0	Halifax.
Stockton, William, B. Sc.	IV., VI., XX., XXI.	28	0	0	Gt. Yarmouth.

Appendix B.

PAYMENTS TO SCIENCE TEACHERS.

Payments to Science Teachers—*cont.*

Teachers.	Subjects.	Amount paid. £ s. d.	School or Schools, with the Amount of the Claims (unreduced) for each.
Stott, Henry, senr.	I., II., III.	102 10 0	Turton, 21*l.*; Whaleybridge, 6*l.*; Failsworth, 35*l.* 10*s.*; Earlestown, 35*l.* 10*s.*; Hurst, 24*l.*
Stott, Henry, jun.	I., II.	90 5 0	Failsworth, 31*l.* 10*s.*; Pendleton Club, 1*l.*; Manchester, Roby Soc., 10*l.*; Tyldesley Mech. I., 58*l.*
Sturgess, Wm.	VIII., IX., XIV.	90 10 0	Wellingborough, 38*l.*; Kettering, N. S., 63*l.*
Sugden, Wm., B.A.	X.	69 15 0	Westminster Wes. Tr. Coll., 73*l.*
Sutcliffe, Geo.	X., XIV.	24 0 0	Church.
Sutcliffe, Geo. W.	I., II., III.	24 0 0	Whitworth Lit. Inst.
Swanson, W.	III.	7 0 0	Islington, 23, Penton St.
Swiss, H.	I., II., III.	60 0 0	Woolwich, Nat. Sch., 10*l.*; Poplar, All Saints' N. S., 16*l.*; Stratford, 34*l.*
Swiss, Wm. G.	I., II.	22 0 0	Stratford.
Sullivan, Michael	I., II., III.	12 0 0	Balham W. M. I.
Tattersall, Amos	XIV.	17 0 0	Luddenden Foot.
Taylor, Thomas	VIII., IX.	11 0 0	Hyde Mech. I.
Taylor, William	I., II., III.	109 10 0	Oldham Analytic Inst., 63*l.*; Shaw, 12*l.*; Royton, 64*l.*
Terrill, William	X.	15 0 0	Redruth Lit. and Sci. Inst.
Theaker, Geo.	I., II., III.	13 0 0	Deptford Mech. Inst.
Thompson, Robt.	I.	57 0 0	Waterloo Road.
Thompson, Geo.	XXIII.	6 0 0	Kidderminster Ch. of E. Inst.
Thompson, James	II., III.	24 0 0	Burnley M. I.
Thomas, George	II., III.	9 0 0	Cardiff Free Library.
Thomas, Robt., B.A.	XXIII.	6 0 0	Caistor.
Thornley, George	XXIII.	6 0 0	Rawtenstall, Irwell Inst.
Tomkins, Edward	I., II., III.	209 0 0	Rawtenstall M. I., 78*l.*; Bacup, M. I., 30*l.*; Rochdale, 154*l.*; Patricroft M. I., 27*l.*; Openshaw, 49*l.*
Tomlinson, John	XIV.	44 0 0	Peterborough, St. Peter's Coll.
Truman, E. B., M.D.	X.	7 0 0	Nottingham Mech. Hall.
Turner, John	IX.	11 0 0	Birmingham, Clarendon Cham.
Tyack, William	X., XIII., XIX.	21 0 0	Helston, 14*l.*; Breage, 7*l.*
Tyler, F. G.	II., III.	76 10 0	South Shields M. I., 40*l.*; Elswick, Newcastle, 42*l.*
Viccars, Thomas	VIII., IX., XI., XIV.	108 0 0	Torquay School of Sci. and Art, 136*l.*
Vinicombe, Chas.	III.	15 0 0	Swan St., Boro'.
Walley, Thos. J.	VIII., IX., XII.	36 0 0	Preston Inst. for Diffusion of Knowledge.
Walton, William	IX., XIV.	28 0 0	Birmingham, Bloomsbury Inst., 14*l.*; „ Graham Lit. Inst., 14*l.*
Ward, Geo.	X., XI.	17 0 0	Leeds M. I.
Ward, Richard P.	XXIII.	14 0 0	West Gorton.
Watt, John	XXII.	8 0 0	Liverpool Free Library.
Weatherall, Robert	IX.	2 0 0	North Ormeshy.
Webb, James	IX.	6 0 0	Earls Barton Brit. Sch.
Webster, James H.	VIII., XIV.	12 0 0	Newark M. I.
Welsh, James		(See Bristol Trade School.)	
Wheatley, M. J.	I., II.	52 0 0	Gateshead Nat. Sch., 42*l.*; Newcastle-on-Tyne, 10*l.*
Wheeler, Geo. H.	X., XIV., XVI.	24 0 0	Middleton Nat. Sch.
White, Henry	XIV.	17 0 0	Wandsworth Royal Patriotic Fund Boys' Sch.
Williams, Joseph	X.	8 0 0	Dudley Mech. Inst., 5*l.*; „ Blue Coat Sch., 3*l.*
Wilson, Edward	XII., XIV.	22 0 0	Nottingham Mech. Hall.
Wilson, Wilfred E. H.	XXIII.	7 0 0	Hingham.
Wilson, James	II.	8 0 0	Woolwich Nat. Sch.
Wilcox, Edw.	I.	7 0 0	Eastington Nat. Sch.

Payments to Science Teachers—*cont.*

Appendix B.

PAYMENTS TO SCIENCE TEACHERS.

Teachers.	Subjects.	Amount paid. £ s. d.	School or Schools, with the Amount of the Claims (unreduced) for each.
Wilcox, Edward, jun.	I.	12 0 0	Eastington Nat. Sch.
Wilby, Richard	X.	13 0 0	Stainland.
Winterton, W.	XIV.	15 0 0	Wellingborough Lower Gram. Sch.
Witter, John	II.	11 0 0	Barnard Castle.
Woolner, Henry	I., II., III.	23 0 0	Coalbrookdale.
Woodward, Chas. J., B. Sc.	IX., X.	30 0 0	Birmingham and Midland Inst.
Wright, H. E.	I., II., III.	36 0 0	Lewisham, St. Mary's N.S., 11*l.* Greenwich, Girls' N. S., 25*l.*
Total for England and Wales		12,433 5 0	

SCOTLAND.

Beveridge, Robt., M.D.	X., XVI., XVII.	20 0 0	Aberdeen M. I.
Bolam, James	IV., XX., XXI., XXIII.	64 0 0	Leith Navigation Sch.
Buchanan, Geo.	XIV.	14 0 0	Glasgow Ander. Univer.
Dickie, Hugh, B.A.	II., IV.	44 0 0	Dumbarton.
Dixon, Ed. M., B. Sc.	X.	77 15 0	Glasgow, Ch. of Scotland Tr. Coll., 83*l.*
Forbes, Alex.	I.	26 0 0	Banton.
Fraser, Rev. Daniel, M.A.	IV., XII., XIV., XV., XX., XXIII.	58 0 0	Tarbat Par. Sch.
Gunnyon, Wm.	XXIII.	13 0 0	Kilmarnock New Academy.
Hastie, Wm.	(See Kilmarnock.)	—	
Hennedy, Roger	XVI., XVII.	14 0 0	Glasgow Anderson. Univer.
Herschel, A. S., B.A.	VII., IX.	14 0 0	Glasgow Anderson. Univer.
Hutton, David C.	I.	9 0 0	Perth Sch. of Art.
Kennedy, John	I.	29 0 0	Dundee High Sch.
Kennedy, Wm.	XXIII.	53 0 0	Edinburgh Free Ch. Tr. Coll.
Kilmarnock; teachers, J. Stevenson, J. Neil, and W. Hastie	I., II., IV., VII.	102 0 0	
Lees, William, M.A.	VI.	61 10 0	Edinburgh Free Ch. Tr. Coll., 28*l.* „ Watt Inst., 34*l.*
Lochore, John	XXIII.	17 0 0	Glasgow Sec. Sch.
MacOmish, Miss M. A. J.	XIV., XVI.	12 0 0	Corsock Girls' School.
Maver, David	IV., VI.	21 0 0	Aberdeen.
Mayer, John	X., XIV., XIX.	71 5 0	Glasgow Secular Sch., 61*l.* „ East End, 14*l.*
Mayer, Elizabeth	XV.	6 0 0	Glasgow Secular Sch.
Menzies, John	II.	2 0 0	Aberdeen M. I.
Neil, John	(See Kilmarnock.)	—	
Pryde, James	IV.	22 0 0	Edinburgh Watt Inst.
Penny, Fredk.	X.	9 0 0	Glasgow Anderson. Univ.
Reid, William	IV.	10 0 0	Cupar Madras Acad.
Ritchie, George	IX.	13 0 0	Banchory, Lady Burnett's Coll.
Stevenson, James	(See Kilmarnock.)	22 0 0	Dalry.
Stone, William	I., II.	5 0 0	Rutherglen Free Ch. Sch.
Summerfield, Edwd.	IX.	31 0 0	Cults, Aberdeenshire, 13*l.* Aboyne, 18*l.*
Tatlock, Robert R.	X.	9 0 0	Alexandria M. I.
Watson, John, M.A.	IV., XXIII.	12 0 0	Kirkwall.
Williamson, Wm. A.	IV.	10 0 0	Newhills.
Total for Scotland		871 10 0	

IRELAND.

Alexander, John	VIII., IX.	54 0 0	Ballymena Guy's N. S., 27*l.* Brougshane, 27*l.*
Allen, David	IV.	6 0 0	Tullynamullen N. S.
Anderson, John	IV.	8 0 0	Belfast, Union Place.
Armstrong, Geo.	II., III.	39 0 0	Dundalk.
Baile, Robert	IV.	5 0 0	Kilmore Sch.
Barbour, Samuel	VIII., IX.	74 5 0	Belfast Academy, 36*l.* „ Wolfhill Mill, 43*l.*

Appendix B.

PAYMENTS TO SCIENCE TEACHERS.

Payments to Science Teachers—*cont.*

Teachers.	Subjects.	Amount paid. £	s.	d.	School or Schools, with the Amount of the Claims (unreduced) for each.
Beatty, John	IV., IX.	108	0	0	Oldcastle, 136*l.*
Bell, John	VIII., IX.	13	0	0	Downpatrick Y. M. Ch. Assn.
Bingham, Henry	IV., VIII.	27	0	0	Belfast, Nelson St. N. S.
Birney, James	IV.	11	0	0	Manorhamilton.
Bresland, James	IV., VIII.	59	0	0	Coleraine.
Brown, W. J.	XXIII.	17	9	0	Comber.
Brownlee, Thos.	IX.	42	0	0	Caledon, 23*l.* Killylea, 19*l.*
Campbell, David	XII.	9	0	0	Belfast Academy.
Cane, James B. N.	XVI.	10	0	0	Waterford Leper Hospital.
Carroll, John	IX.	3	0	0	Belfast, May St.
Carey, John	IV.	12	0	0	Lisnagry, Ahane.
Cavanagh, John	XX., XXI., XXIII.	48	0	0	Athlone Ranelagh Sch.
Cleeland, Robert, M.A.	IV., VI., VIII., IX.	39	0	0	Belfast, Fisherwick Place.
Cleland, John M.	XII.	12	0	0	Comber.
Clements, Andrew	XX.	7	0	0	Anahilt Endowed Sch.
Clements, Wm. T.	IX., XII., XXIII.	69	15	0	Carrowdore N. S., 73*l.*
Collins, Thomas	XXIII.	2	0	0	Belfast, Milford St. N. S.
Cotter, Edward G.	IV.	2	0	0	Raphoe N. S.
Crooks, Samuel	VIII.	18	0	0	Sixmilecross.
Cusack, Michael	IV.	1	0	0	Loughcutra N. S.
Doherty, Joshua J.	IX., XXIII.	102	0	0	Bailieboro' Mod. Sch.
Dolan, James	IV.	3	0	0	Drogheda, St. Mary's N. S.
Donaldson, Thos.	IX., XXIII.	78	0	0	Belfast, Brown St., 81*l.*
Doogan, Patrick	IV.	14	0	0	Derrylin N. S., 6*l.* Enniskillen, 3*l.* Lisbellaw, 5*l.*
Dowling, James	XII.	25	0	0	Waterford Mod. Sch.
Drennan, Alexander	IV., VI., IX.	14	0	0	Holywood, 6*l.* Belfast Lit. Inst., 8*l.*
Elliott, Torrens	IV., XXIII.	55	0	0	Belfast, Fisherwick Place, 22*l.* Ballymoney, 33*l.*
English, William	IX.	10	0	0	Lurgan.
Erwin, Moses	IX.	1	0	0	Newtownbreda.
Ferguson, Samuel H.	IV., VIII., IX.	76	10	0	Omagh, 82*l.*
Fitzpatrick, Stephen	IV., VIII., IX.	53	0	0	Downpatrick, John St.
Fitzgerald, Edward	IV., IX.	25	0	0	Bagenalstown.
Finnegan, Miss B. M.	IV.	6	0	0	Cork Mod. Sch.
Foley, M. R.	XXIII.	9	0	0	Antrim, Main St.
Frechill, Michael	IX., XIV.	93	10	0	Trim Mod. Sch., 107*l.*
Gillespie, James	IV., VIII., IX.	34	0	0	Banbridge.
Gillespie, Isaac	XXIII.	48	0	0	Dundalk.
Gleeson, Patrick V.	IX.	9	0	0	Londonderry, Mod. Sch.
Goodman, John	VIII., XXIII.	10	0	0	Ballinahinch N. S.
Greer, Wm. H.	VIII., IX.	78	0	0	Newtownards M. S., 84*l.*
Harbison, Mann	XV.	54	0	0	Newtownards M. S.
Hay, William	IV. XX.	26	0	0	Larne Mod. A. Sch.
Hunt, Thomas	IV.	10	0	0	Clohanbeg.
Hyde, Samuel	IX., XXIII.	59	0	0	Portadown, 10*l.* Eglish, 11*l.* Stewartstown, 17*l.* Kilmore, 21*l.*
James, Matthew H.	VIII., IX., XII., XIV.	57	0	0	Athlone, St. Mary's Sch.
Jenkinson, Edward	XXIII.	60	0	0	Holywood.
Joyce, P. W.	VI., XXIII.	66	15	0	Dublin Cent. Mod. Sch., 69*l.*
Kelly, Daniel	IV., IX., XXIII.	23	0	0	Enniscorthy Mod. Sch.
Kelly, Thomas	IV.	9	0	0	Roscrea N. S.
Kerrigan, John	IV.	2	0	0	Belfast, Conway St. N. S.
Latchford, G. D.	IV., VIII.	44	0	0	Cork Mod. Sch.
Lee, Henry	IV., IX., XXIII.	69	0	0	Cloncore, 21*l.* Ballywilly, 40*l.* Markethill, Coolmalish, 11*l.*
Leetch, Josias	XIV.	13	0	0	Comber.
Leonard, Thos. R.	X.	23	0	0	Dundalk.
Linehan, Patrick	XXIII.	63	0	0	Monaghan Mod. Sch.
Lyons, Michael	IV., VI., VIII., IX., X.	76	10	0	Bessbrook, 12*l.* Dundalk, 70*l.*
Macbeth, John	IV., VI., XX., XXIII.	66	0	0	Dublin, King's Hosp., 68*l.*
McCuhy, Alex.	VIII.	10	0	0	Magherally.
McClean, William	IX.	25	0	0	Cormeen, 16*l.* Ballybay N. S., 9*l.*
McCaffery William	IV.	6	0	0	Letterkenny N. S.

Payments to Science Teachers—*cont.*

Teachers.	Subjects.	Amount paid. £ s. d.	School or Schools, with the Amount of the Claims (unreduced) for each.
McCormick, John	IV.	1 0 0	Crebilly.
McDowell, Henry	IX.	3 0 0	Belfast, Alfred Sch.
McDermott, Cornelius	IV., VIII., XXIII.	137 0 0	Cooraclare, 104*l.*
McEntee, Michael	IV., IX.	78 15 0	Monaghan M. S., 85*l.*
McEwen, Hugh	I., IV.	48 0 0	Dundalk.
McGranahan, Wm.	IV.	11 0 0	Castlederg.
McGrenahan, Edwd.	XXIII.	41 0 0	Roscrea N. S.
Macgowan, F. M.	IX.	9 0 0	Tandragee.
McGiffin, Robt.	XX.	4 0 0	Ballycarry.
McIlroy, Hugh	XXIII.	25 0 0	Galgorm N. S.
Mackintosh, Jas. A.M.	XXIII.	11 0 0	Drumlough N. S.
McIntosh, Wm. T.	IV., VI., VIII., IX.	53 0 0	Athlone, Ranelagh Sch.
McKimm, Samuel	IX., XII.	57 0 0	Newtownards East St. Sch., 26*l.* Ballywalter, 31*l.*
MacMillen, Robert	VIII., IX., XXIII.	7 0 0	Dartreyhouse N. S., 3*l.* Banbridge, 4*l.*.
Magennis, Peter	IV., XXIII.	29 0 0	Lisded N. S., 27*l.* Irvinestown N. S., 2*l.*
Mangnall, John	II.	1 0 0	Belfast, Albert Bridge Road.
Martin, Hugh	IX.	38 0 0	Gilford, 16*l.* Portadown, Edenderry Sch.-room, 22*l.*
Mayne, Arthur J.	I.	18 0 0	Carlow, Chris. Schs., 12*l.* Santry, 6*l.*
Mooney, Thomas	IX.	8 0 0	Lurgan.
Morris, Charles	VIII.	16 0 0	Enniskillen.
Moylan, J.	VIII., IX.	10 0 0	Galway Mod. Sch.
Muldoon, Charles	IV., VI., XXIII.	53 0 0	Parsonstown.
Nugent, Francis	VIII., IX.	30 0 0	Cloncore N. S., 18*l.* Ballywilly, 11*l.* Markethill, Coolmalish, 10*l.*
O'Neill, Samuel	IV. XX.	10 0 0	Larne North End N. S.
O'Reilly, J. C.	IX.	28 0 0	Newtownards Mod. Sch., 14*l.* Donaghadee N. S., 13*l.* Bangor End. Mod. Sch., 1*l.*
O'Shea, Michael J.	XIV.	5 0 0	Drogheda, St. Mary's N. S.
Orr, Jacob	IX., XXIII.	38 0 0	Dungannon, Co. Tyrone, 25*l.* Loughgall, 13*l.*
Patterson, William	IV.	15 0 0	Donegal.
Pedlow, Geo.	IX.	7 0 0	Brookfield, near Moira.
Perry, John	II., III.	12 0 0	Belfast People's Lit. Inst.
Porter, Geo.	IV., IX.	20 0 0	Lurgan.
Prendergast, Patrick	IV.	22 0 0	Rosscarbery, 18*l.* Clonakilty, 4*l.*
Priestly, James R.	VIII.	5 0 0	Ballynahinch Town Hall.
Robinson, James	IV., VI.	4 0 0	Belfast, Smithfield Nat. S.
Robinson, John	IV., XIV., XXIII.	95 10 0	Cork, Carmichael N. Sch., 111*l.*
Robertson, William	XIV.	9 0 0	Belfast, 1, Glentilt Place.
Ryan, Lawrence J.	IV., IX.	25 0 0	Kilkenny Mod. Sch.
Savage, Hugh	IX., XII.	21 0 0	Antrim.
Scott, S. M.	IV., VIII., XIV.	69 15 0	Newtownards Mod. Sch., 11*l.* Donaghadee N. S., 42*l.* Bangor Endowed Sch., 20*l.*
Shannon, Augustine F.	XXIII.	30 0 0	Ballymena Mod. Sch.
Skeffington J. B.	VIII., IX.	23 0 0	Ballykinlar.
Smeeth, Rowland	II., III.	22 0 0	Belfast Mod. Sch.
Smyth, Andrew	XXIII.	90 10 0	Oldcastle, 101*l.*
Speers, Adam	IX., XIV.	71 5 0	Holywood, 75*l.*
Speers, Robert	IV., VIII., IX., XIV.	42 0 0	Antrim.
Stevenson, J. McNeill	IV., XX., XXIII.	63 0 0	Carrickfergus Mod. Sch., 64*l.*
Walker, Wm.	IV., IX.	15 0 0	Greyabbey N. S., 11*l.* Kircubbin, 4*l.*
Whitford, Wm.	IV.	7 0 0	Belfast People's Lit. Inst.
Williams, Thos. M.	IX.	3 0 0	Donoughmore Lecture Room.
Wren, Edmond	VIII., IX.	50 0 0	Belfast Mod. Sch.
	Total for Ireland	3,711 0 0	
	Grand Total	17,015 15 0	

Correct,
(Signed) THOMAS HEALEY.

Appendix B.

REPORT BY DR. WOOLLEY.

20. REPORT on the ROYAL SCHOOL of NAVAL ARCHITECTURE AND MARINE ENGINEERING by the INSPECTOR-GENERAL.

Extension of period of study.

1. During the last year an important change was made in the arrangements of this school by increasing the number of sessions from three to four and by lengthening each session by one month; this was rendered desirable by the fact that the practical subjects which occupy the time of the students exclusively in the summer are found also to demand very considerable attention during the session itself.

This change was made with the concurrent sanction of the Committee of Council on Education and the Lords of the Admiralty.

There can be no doubt that the time available under the former system was hardly sufficient for the efficient study of the theoretical subjects which it is attempted here to enforce.

Distribution of mathematical studies.

2. As regards the amount of pure mathematics to be taught which fall especially to the share of the Principal, there can be question of diminishing its amount. It is, however, still somewhat doubtful whether a somewhat different distribution of them among the several sessions than that now prescribed will not be necessary.

As regards the course of applied mathematics and applied mechanics, there is somewhat more difficulty, owing to the necessity under which Mr. Cotterill, the Vice-Principal, now lies of consulting very extensively foreign, notably German, sources in some departments, especially for the graphic representation of strains, which is found to be more effective than the analytical method which leads to involved formulæ difficult of application.

Notwithstanding this important drawback Mr. Cotterill has made great advances; and it being very desirable that some definite plan of this the more important portion of the students' theoretical studies should be at once laid down, a syllabus, which for the present must be considered tentative, has been drawn up and approved by me, and is now published.

As the extent of the course in pure mathematics but only its distribution is in question, I have consented to the postponement of the publication of a syllabus of this course until the experience of another year has been gained.

Candidates for diplomas.

3. In consequence of the extension of the course above referred to, very few applicants for the diplomas of fellow or associate presented themselves for examination last year.

There were but two candidates for the former, both private students, to neither of whom was a diploma awarded.

Three candidates came forward for the associateship; two students and one engineer from the outside; none of them, however, obtained the prescribed number of marks in two of the three groups of subjects of examination.

Inadequacy of instruction in chemistry.

4. With respect to the examination of the students in the three lower sessions, I have little to remark, sufficient time not having elapsed since the adoption of the new arrangements for any marked improvement in those deficiencies which had been before observed. The examiner in chemistry especially still complained of the inadequacy of the opportunities of instruction. It is hoped that in course of time when a general course of chemistry in addition to the laboratory manipulation shall have been brought home to the students here, great improvement will result. The difficulties to be overcome this year, whether by the students

attending a course at the College of Chemistry, or by special course at South Kensington, were found insuperable. This it is intended to remedy in future sessions. Appendix B. REPORT BY DR. WOOLLEY.

5. The Tables which accompany this Report shew the results of the last examination.

6. The regularity of attendance of the Admiralty students and those who have had scholarships and free studentships awarded them is satisfactory. No complaints of breach of discipline have reached me, and I believe that in this respect the state of the school is quite satisfactory. Attendance and discipline.

R.S.N.A. Candidates for the Diploma of Associate. Session 1868–69.

	Name.	Total, Group A.	Total, Group B.	Total, Group C.	General Total.	Remarks.
		4,000	4,000	1,000	9,000	Possible No. of Marks.
N.A.	Trewent, F. J. -	1,527	345	800	2,672	Not entitled to diploma.
E.	Garvey, J. M. -	1,575	1,316	500	3,391	
E.	Watkins, Alfred	1,620	1,189	600	3,409	

R.S.N.A. Candidates for the Diploma of Fellow. Session 1868–69.

	Name.	Total, Group A.	Total, Group B.	Total, Voluntary Subjects.	General Total.	Remarks.
		4,250	4,000	6,000	14,250	Possible No. of Marks.
E.	Farley, E. C. -	2,528	268	1,090	4,786	Not entitled to diploma of Fellow; has already obtained diploma of Associate.
N.A.	Strickland, Thompson.	887	164	535	1,786	Not entitled to a diploma.

Appendix B.

REPORT BY DR. WOOLLEY.

1ST YEAR STUDENTS.

R.S.N.A. Order of Merit, Final Examination. Session 1868-69.

Names.	Mathematics.	Practical Ship-building, Laying off, &c.	Chemistry and Metals.	Machinery.	Professional Engineering and Steam.	Physics.	Drawing.	French.	Total.
	4,000	500	750	300	3,000	750	200	500	10,000
ENGINEERS.									
Butler, R. J.	2,373	212	483	224	2,000	212	100	215	5,819
Corner, J. Th.	2,111	120	443	218	1,700	120	80	100	4,892
Seaton, A. E.	1,558	328	558	256	1,450	328	100	300	4,878
Chilcott, W. W.	1,367	116	345	233	1,050	116	80	199	3,987
Mares, W. H.	1,304	70	243	205	1,100	70	100	145	3,237
Hummel, A.	50	68	38	105	50	68	80	30	484
NAVAL ARCHITECTS.	4,000	3,000	750	300	500	750	200	500	10,000
Stanlake, J.	2,195	933	403	176	200	472	90	75	4,549
Phillips, Th.	2,470	912	188	143	50	516	90	75	4,404
Black, J.	1,915	877	420	186	150	468	100	75	4,191
Bailey, C. P.	1,895	878	360	194	100	454	90	75	4,046
Turpin, W. W.	1,385	903	195	158	0	548	95	25	3,309
Grierson, F. W.	460	277	383	139	100	156	60	300	1,875

2ND YEAR STUDENTS.

R.S.N.A. Order of Merit, Final Examination. Session 1868-69.

Names.	Mathematics.	Practical Ship-building, Laying off, &c.	Chemistry and Metals.	Machinery.	Professional Engineering and Steam.	Heat, &c.	Strength of Materials.	Physics.	Drawing.	French.	Total.
	2,000	500	750	300	3,000	1,500	1,000	600	200	500	10,350
ENGINEERS.											
Barrett, R. H.	770	198	493	210	1,950	1,180	810	456	121	285	6,473
Burt, H.	965	82	293	208	1,750	1,325	915	376	127	75	6,116
Morcom, A.	800	116	518	243	1,500	1,290	680	448	117	310	6,022
Hearson, T. A.	765	142	530	215	1,600	1,155	790	402	140	125	5,864
Mayston, J. Y.	734	126	400	225	1,400	1,000	720	282	109	125	5,181
NAVAL ARCHITECTS.	2,000	3,000	750	300	500	1,500	1,000	600	200	500	10,350
Edwards, Th.	1,150	1,137	325	216	400	805	595	394	121	170	5,243
Perrett, J. R.	895	1,155	465	245	100	815	875	315	133	120	5,118
Purvis, F. P.	600	1,023	470	200	350	1,015	625	284	104	360	5,031
Cotsell, J.	744	831	293	156	200	775	730	336	115	65	4,124
Cearns, J. F.	840	1,107	388	175	400	700	400	240	127	40	3,012
Martin, O. J.	490	717	300	98	150	330	305	195	110	95	2,190
Vander Made, D. J. P.	0	77	100	128	200	370	90	84	43	230	1,112

Appendix B.

REPORT BY DR. WOOLLEY.

3RD YEAR STUDENTS.

R.S.N.A. Order of Merit, Final Examination. Session 1868–69.

Names.	Mathematics.	Practical Ship-building, Laying off, &.	Chemistry and Metals.	Machinery.	Professional Engineering and Steam.	Heat, &c.	Strength of Materials.	Physics.	Drawing.	French.	Total.
	3,100	500	750	300	3,000	1,500	1,000	600	200	500	11,450
ENGINEERS.											
Sennett, R.	2,590	200	533	240	1,050	1,335	865	455	140	190	8,498
Yeo, J.	2,055	250	480	241	1,700	1,240	800	355	140	150	7,411
Smith, D. E.	1,942	130	448	248	1,450	895	590	372	100	135	6,308
NAVAL ARCHITECTS.	3,100	3,000	750	300	500	1,500	1,000	600	200	500	11,450
M'Carthy, M.	1,815	1,633	311	234	150	970	790	376	180	160	6,699
Truscott, J. H.	1,950	1,381	422	246	250	630	770	802	180	135	6,206
Watts, P.	1,835	1,579	418	276	350	495	580	270	180	20	6,003

(Signed) JOSEPH WOOLLEY, LL.D.,
Inspector-General.

May 1869.

21. REPORT of the PRINCIPAL of the ROYAL SCHOOL of NAVAL ARCHITECTURE and MARINE ENGINEERING.

REPORT BY MR. MERRIFIELD.

THE number of Admiralty students during the session 1868–69 was 26, namely, 13 engineer students and 13 shipwrights. The number of ordinary students was 14, namely, 6 engineers and 8 students of naval architecture. Number of students.

In the present session (1869–70) there are 15 engineer students and 15 shipwrights from the Admiralty, together 30. Of ordinary students there are 5 engineers and 5 students in naval architecture, 10; in all, 40.

The total number of students is, therefore, 40, being the same number as last year.

The late Vice-Principal having quitted the school at the end of the last session, your Lordships were pleased to direct that Mr. James H. Cotterill should for the present act in that capacity. The special lessons in the construction and design of engines have been undertaken by Mr. W. Cawthorne Unwin. Changes in teaching staff.

A syllabus of the instruction given in the school is in preparation, and part of it is in print. It is not considered desirable to publish a complete syllabus until some further experience shall have been obtained as to the quantity of work which it is possible for the students to get through in the course, now that it has been extended from three to four years. Syllabus of instruction.

Three of the scholars, namely, Thomas Alfred Hearson, Richard Sennett, and Frank Prior Purvis, have obtained Whitworth scholarships. They were the only three scholars from the school who competed, and they stood severally second, eighth, and eleventh on the list. Success of students in Whitworth Competition.

A scholarship of fifty pounds was awarded by Your Lordships upon examination to Luther Watts, an engineer student from Portsmouth, who had obtained leave from the Admiralty to prosecute his studies here at his own expense.

CHARLES W. MERRIFIELD,
Principal of the Royal School of Naval Architecture and Marine Engineering.

Appendix C.

SCHOOLS OF ART.

APPENDIX C.

1. REPORT of the OFFICIAL INSPECTOR for ART on SCHOOLS of ART and ART EXAMINATIONS.

THE extension of Art instruction is promoted by regulations under which aid is given :—

First, to Elementary Schools for the Poor where drawing is taught concurrently with reading and writing, and is specially directed to the improvement and refining of the perceptive powers of the children ;

Second, to Diocesan and other Training Colleges in which the teachers of elementary schools obtain certificates as teachers of drawing ;

Third, to night classes for children above 12 years of age and artizans ; in these classes the primary instruction of the children is carried further than in the Elementary Schools, and they are associated with adult students in the study of form, light and shade, and linear drawing ;

Fourth, to Schools of Art which are entirely devoted to Art instruction, and where the student, after having obtained sound elementary knowledge, pursues the technical study of Art in the direction required by his occupation ;

Fifth, to selected students of Local Schools of Art, to enable them to attend the National Art Training School for training as Art teachers, designers, or Art workmen.

Table A., page 164, shows the extent to which instruction is given in Elementary Schools for the Poor.

Elementary Schools.

An increase of 316 schools and 27,215 children taught has taken place during the year, and there is reason to believe that a similar increase at least will take place in 1870. The standard for the award of prizes, &c., has been raised.

The examination of the exercises in freehand and model drawing of the first and second grade showed a large amount of success, but in many cases teachers failed to obtain satisfactory results from a too mechanical mode of instruction. Children and students have sometimes evidently been taught to rely upon a system of accessory lines, mapping out the spaces occupied by parts of the freehand exercise, or indicating a preconceived, and generally much exaggerated, effect of perspective in the model drawing ; while they had not learned to imitate directly the curved forms in freehand, or to draw the models as they were seen by them. In some schools the children appeared to have got by rote a set of lines to represent an object, for, although it must have presented different aspects to each of them, as they drew it simultaneously under examination, the exercises sent in seemed to have been drawn but from one point of view.

Teachers should bear in mind that although it is desirable to explain the perspective laws under which the apparent form differs from the real form of an object, the value of this knowledge is little if the pupil be not taught to see correctly.

Training Colleges.

Table B., page 206. Results of the examination of training colleges. This table has been enlarged in order to show the whole aid given to these schools by the Department. The number of certificates granted

to teachers and students has been greater than in any previous year, but is still far from being sufficient to provide for the elementary schools which should be taught drawing. The payments made to the authorities of the colleges have, as yet, not been productive of much advance, and it would perhaps be desirable to make the drawing certificate a more absolute requirement, as part of the general certificate of merit; and, having regard to the demands of students in the night classes, now established in connexion with so many schools, to encourage students in training to carry their studies beyond the second grade.

Night Classes.

Table C., page 208, gives the statistics of instruction in night classes, of which the numbers are rapidly increasing, having been 72, 130, and 249 for the years 1867–8–9 respectively, the number of students under instruction this year being 9,322, and the amount of aid by the Department 3,093*l.*, or an average of six shillings and sevenpence (6*s.* 7*d.*) per student. More than half these classes are in connexion with elementary day schools, where they offer opportunity for the continuance of the education of the children of the working classes beyond the too early age at which they generally quit the day schools. As the regulations for payments to the night schools on account of drawings executed during the year give encouragement for the study of drawing in some of its more advanced stages, especially in relation to machinery and building, the students will have inducements to attend through that educationally important period of their lives which comes between school and manhood.

Table D., page 222, gives the results of examinations in several schools not entitled to claim payments either because they are endowed or for other reasons.

At page 223 commences a series of abstracts from the annual reports made by the committees of local Schools of Art to the Department, which may be referred to when it is desired to see the statistics of each school separately.

The important points in these returns are brought together in Table E., page 282, where schools can be compared together with reference to the extent and success of the instruction given in them.

This table also shows a progressive increase in the results obtained. There is a decline in the number of elementary, or second grade, prizes, but an increase in those of the more advanced, or third grade. This latter is in part due to an extension of the encouragement given, for such works as are admissible to the National Competition, by an arrangement which allows the award of a third grade prize to meritorious works in advanced stages of instruction, which have hitherto competed only for the necessarily limited number of medals and prizes offered for national competition. It is hoped that this change, together with the recently established system of competition for free studentships, will induce students to remain longer in the schools, and carry their studies further than at present. That much remains to be desired as regards regular and continuous attendance is evident from the fact that less than half the students on the books of the schools send up works for examination.

National Competition.

The examiners of these works (of the third grade) observe a deficiency of anatomical studies, to which they ascribe a want of success in many of the life studies submitted.

They reprobate the loss of time devoted to the reproduction of tasteless chromolithographs, especially in some ladies' classes.

They suggest an endeavour after greater variety of treatment in still life studies, and urge the importance of treating the principal objects and accessories with due regard to the laws of perspective in relation to the whole group represented.

Appendix C. SCHOOLS OF ART.

They notice with approval the method pursued in Manchester of painting flowers, whether in groups or singly, executed by day or by gaslight, with comparative rapidity, with correctness of outline, and with freshness of colour, which deserves to be indicated as a model for general adoption.

It is strongly recommended to teachers that copies from the flat should be on a scale different from that of the example, especially in works competing for prizes, and this recommendation may be extended to modelling from the round.

Statistics.

Table F., page 286, shows the incomes of the Schools of Art from various sources, which together amount to 34,144*l.* 8*s.* 6*d.*, an increase of more than 2,000*l.* over the preceding year, and it is satisfactory to observe that this arises mainly from fees paid by students.

Table G., page 289, is a statement of the whole number of persons brought under instruction in drawing by the action of the Department, showing an increase during the year of 33,645.

Table H., page 290, is a return of the direct grants made to the various schools and classes. It shows a total of 21,856*l.* 5*s.* 11½*d.*, which, when compared with the number of persons under instruction in the preceding table, viz., 157,207, gives an average cost of 2*s.* 9¼*d.* each.

Table I. is the Storekeeper's return of the details of prizes issued.

Table K. shows the aid given towards the purchase of examples.

Aid towards purchasing examples.

Notwithstanding the large proportion of the cost borne by the Department the Schools do not avail themselves of this aid so much as might be expected.

The action of the National Art Training School is described in the report of the Head Master at page 302.

Mr. Lane's report on the Etching class appears at page 305. The productions of the students have been bound in sets of 50 plates and issued to Schools of Art as examples of style, which it is believed will beneficially affect designs for local manufactures.

The National Competition embraced this year a larger number of works than in any previous year,—an indication that an increasing number of students are working in advanced stages of instruction, and that the general level of attainment is rising. The figure studies from the antique were twice as numerous as last year, and the extension of this stage of instruction gives promise of an improvement in a point where the decorative art of this country is specially weak when compared with foreign schools, viz., in the treatment of the figure when applied to ornament.

The report of the examiners is given at page 307, and is followed by a list of the successful students.

Table M., page 313, is a list of candidates successful in the Examination of February 1869, in obtaining the first certificate, or in showing higher attainments by taking the 2nd or 6th certificate of qualification to teach in Schools of Art. The number of candidates was unusually large, viz., 80, and the desire of female teachers to obtain the certificate may be considered as an evidence that students of the middle or higher classes are now asking for sounder instruction in Art than they have hitherto received.

Prizes to art masters.

A list of the masters of Schools of Art to whom prizes have been awarded for successful teaching, is given at page 314.

Building grants.

Building grants have been made to the Schools of Art at Bath, for the purchase and adaptation of a building, and at Burslem for the erection of a school as a memorial to Wedgwood, in which the application of plastic art to exterior decoration has been carried out with much success through the agency of students trained in the Schools.

Thirty-two schools have been assisted by loans from the Museum

to form public exhibitions; 65 schools have taken advantage of the circulating collection of drawings or have borrowed books from the library, while the system of deposit loans has been extended, as is shown in the report of the Assistant Director, Mr. Owen (*see* p. 354). Appendix C. Schools of Art.

Prizes have again been offered for designs for fans executed on material suitable for mounting, such as silk, leather, &c. Fan Competition.

They seem this year to have excited less earnest competition than in the preceding year. Although 91 fans were sent in, many of them were the result of little effort, and few of them gave any evidence of such research, or reference to the works of others, as is the necessary preliminary to success in the application of materials derived from nature to the decoration of special objects; for example, the figures of children when introduced were tamely and incorrectly drawn, while a reference to the engraved works of Stothard or some older masters would have enabled even those students unable to seize the action of children from the life, to have imparted a better style to their designs. A list of the successful competitors is given at page 315.

The "Princess of Wales" Scholarships for Female students, most successful in the national competition, have been awarded, the first to Mary Mansell of the South Kensington School, and the second to Frances Jordan, of the Dublin School of Art. Princess of Wales' Scholarships.

The Plasterers' Company have again offered prizes on conditions which are given, with the names of successful candidates at page 315. It is to be regretted that for one of these, which was offered to provincial schools only, the competition was so limited that no award could be made. Plasterers' Prizes.

H. A. Bowler.

14th June 1870.

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

TABLE A.—INSTRUCTION in DRAWING in

Town.	Name of School.	No. of Children taught Drawing.	No. examined. 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade (*a*).	No. showing proficiency. 1st Grade (*b*).	No. who excelled and obtained Prizes. 1st Grade. (*c*).
Abbot's Langley and King's Langley.	Parochial Schools	56	29	13	8	4
Abbott's Ann	" "	130	77	12	22	7
Aberdare	British School	50	45	14	13	4
Aberdeen	Dr. Bell's School	96	65	34	11	3
" (Old)	" "	30	29	11	15	3
"	Deaf and Dumb Institution	23	22	7	2	2
"	East Parish Sessional School	59	48	16	18	2
"	Free East Church School	135	81	30	22	4
"	Free North Church School	92	71	29	20	7
"	John Knox's Sessional School	35	30	10	14	5
"	South Parish FreeChurch Sch.	195	158	65	59	11
"	Trades' School	70	56	21	16	8
Abney	British School	122	98	40	14	2
Accrington	St. James' National School	112	80	40	14	4
"	Wesleyan Day School	108	78	31	36	7
Acton (Nantwich)	National School	90	53	13	18	4
Addington	" "	40	30	8	4	—
Airdrie	Alexander School	100	62	29	20	8
Alexandria (by Glasgow.)	Free Church School	52	41	15	14	3
Alsager	National School	22	13	4	6	1
Altrincham and Bowdon Downs.	British School	200	63	16	15	5
Alvaston and Boulton.	National School	37	10	5	4	—
Alvechurch	" "	60	53	20	9	—
Alveston	Church of England School	20	17	2	4	—
Andover	National School	60	40	11	2	1
Arley Green	Church of England School	12	10	3	3	4
Ashford	National School	60	40	16	12	6
Ashley	Church of England School	30	20	8	—	—
Astley	National School	20	20	5	10	4
Aston-juxta-Birmingham.	" "	150	26	7	9	4
Auchtergaven	Parochial School	56	14	2	8	4
Audenshaw	British School	42	25	5	13	6
Bacup	Wesley Place Wesleyan School	68	68	17	11	3
Bailieboro'	Model School	172	9	1	1	7
Ballykinlar	National School	80	18	4	12	2
Banbury	Boys' British School	200	102	48	22	6
"	Girls' British School	150	103	32	34	8
Banchory Ternan	Free Church School	38	33	13	12	6
Bangor	St. Paul's Wesleyan School	120	69	22	23	16
Bankfoot	Subscription School	42	42	8	10	14
Banton	"	32	28	10	2	2
Barnard Castle and Stainton.	National School	88	70	12	31	10
Barnard Castle	Wesleyan School	84	46	13	21	6
Barnstaple	" "	70	51	13	19	—
Barnwell Abbey	Barnwell Abbey School	45	30	11	6	—
Barnwell	East Road School	126	73	26	25	8
Barrow-in Furness	St. George's National School	120	100	42	26	6
"	St. James's National School	90	71	25	23	4
Barton-on-Humber	Wesleyan Day School	50	40	15	10	2
Bath	Bath and Bathforum British School.	180	107	30	22	4
"	Bathwick Parochial Nat. Sch.	50	29	9	13	2
"	Blue Coat School	124	124	26	52	17
"	Harley Street School	60	23	6	3	2

(*a*) A payment of 1*s.* was made on account of each child "satisfactorily taught."
(*b*) A payment of 2*s.* was made on account of each child who showed "proficiency" in drawing.
(*c*) A payment of 3*s.* was made on account of each child who "excelled" in drawing, and a prize awarded to the child.

SCHOOLS for the POOR, 1869.

No. of Children who passed in 2nd Grade. (*d*).	No. of Children who obtained Prizes in 2nd Grade. (*d*).	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made. (*e*).	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	25	—	—	—	—	3 1 0	1 5 9	4 6 9
—	—	41	—	—	—	—	4 17 0	0 15 9	5 12 9
—	—	31	5	—	1	1	3 12 0	0 18 0	4 10 0
—	—	48	—	—	—	—	4 5 0	0 6 9	4 11 9
—	—	29	—	—	—	—	3 10 0	0 6 9	3 16 9
1	—	12	—	—	—	—	1 2 0	0 4 6	1 6 6
—	—	36	3	—	1	—	3 18 0	0 13 6	4 11 6
1	—	57	3	1	—	1	6 1 0	0 9 0	6 10 0
3	—	59	4	1	3	4	8 5 0	2 2 9	10 7 9
—	—	29	—	—	—	—	3 13 0	0 11 3	4 4 3
—	—	135	7	3	1	4	13 16 0	1 13 9	15 9 9
—	—	45	—	—	—	—	4 17 0	0 18 0	5 15 0
—	—	56	1	1	—	1	5 14 0	0 4 6	5 18 6
—	—	58	2	2	—	2	6 0 0	0 9 0	6 9 0
—	—	74	1	—	—	—	7 4 0	0 15 9	7 19 9
—	—	35	2	—	1	1	4 11 0	0 18 0	5 9 0
—	—	12	—	—	—	—	0 16 0	Nil.	0 16 0
—	—	57	2	1	—	1	6 3 0	0 18 0	7 1 0
—	—	32	—	—	—	—	3 12 0	0 6 9	3 18 9
—	—	11	—	—	—	—	0 19 0	0 2 3	1 1 3
2	—	38	2	—	—	—	4 11 0	0 11 3	5 2 3
—	—	—	—	—	—	—	Nil.	Nil.	Nil.
—	—	29	2	1	—	1	3 8 0	Nil.	3 8 0
—	—	6	—	—	—	—	0 10 0	Nil.	0 10 0
—	—	14	—	—	—	—	0 18 0	0 2 3	1 0 3
—	—	10	—	—	—	—	1 1 0	0 9 0	1 10 0
—	—	34	—	—	—	—	3 18 0	0 13 6	4 11 6
—	—	8	—	—	—	—	0 8 0	Nil.	0 8 0
—	—	19	—	—	—	—	1 17 0	0 9 0	2 6 0
—	2	22	1	1	—	1	3 17 0	1 7 0	5 4 0
—	—	—	—	—	—	—	Nil.	0 9 0	0 9 0
—	—	24	—	—	—	—	3 9 0	0 13 6	4 2 6
—	—	31	3	2	—	2	4 18 0	0 6 9	5 4 9
—	—	9	—	—	—	—	1 4 0	0 15 9	1 19 9
—	—	18	—	—	—	—	1 14 0	0 4 6	1 18 6
—	—	70	—	—	—	—	6 10 0	0 13 6	7 3 6
—	—	74	5	2	1	—	7 3 0	1 7 0	8 10 0
—	—	31	1	—	—	—	3 15 0	0 13 6	4 8 6
2	2	65	5	2	1	3	9 9 0	5 14 5	15 3 5
—	—	36	1	—	—	—	5 10 0	4 7 5	9 17 5
—	—	14	—	—	—	—	1 0 0	0 4 6	1 4 6
—	—	53	1	—	—	—	6 4 0	1 2 6	7 6 6
—	—	40	—	—	—	—	4 13 0	0 13 6	5 6 6
—	—	32	4	2	—	2	4 11 0	Nil.	4 11 0
—	—	17	3	—	—	—	1 3 0	1 4 1	2 7 1
—	—	59	—	—	—	—	6 0 0	2 2 1	8 2 1
—	—	74	—	—	—	—	6 12 0	0 13 6	7 5 6
—	—	52	2	1	—	1	5 13 0	0 9 0	6 2 0
1	—	27	—	—	—	—	3 1 0	0 4 6	3 5 6
—	—	57	1	—	1	1	6 1 0	0 18 0	6 19 0
—	—	24	—	—	—	—	3 1 0	0 4 6	3 5 6
8	4	107	1	1	—	1	14 1 0	6 0 0	20 1 0
—	—	11	1	—	—	—	0 18 0	0 4 6	1 2 6

(*d*) A payment of 5*s.* was made on account of each child successful in the 2nd grade.
(*e*) A payment of 10*s.* was made on each exercise in which a pupil-teacher passed.

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined. 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Bath	St. John's Roman Catholic School.	100	52	13	13	1
"	St. Mark's School, Lyncombe	120	95	40	17	3
"	St. Michael's Parochial School	90	60	17	12	2
"	St. Swithin's School, Walcot	80	71	19	5	4
"	Sutcliffe Industrial School	30	24	6	6	1
"	Walcot Wesleyan School	39	40	13	8	2
"	Weymouth House National School.	50	29	8	6	2
"	Widcombe Boys' National School.	114	72	17	16	7
Bawtrey	Parochial School	24	11	5	4	—
Baxenden	National School	49	35	9	4	1
Bedlington	Church School	200	46	18	9	3
Beith	Presbyterian School	68	46	6	24	13
Belfast	Eglinton National School	50	39	11	16	3
"	Model National School	600	270	115	78	25
Bensham	St. Cuthbert's National School	60	32	16	13	1
Berwick-on-Tweed	British School	100	69	33	23	6
Bierley	Church of England School	117	53	14	17	3
Bildestone	National School	55	27	8	5	5
Bilston	St. Leonard's National School	150	101	33	14	5
"	St. Luke's National School	68	48	26	4	3
Bingley	Wesleyan School	90	72	32	23	4
Birkenhead	Hamilton English Presbyterian School.	30	21	7	3	3
"	Priory Street, Church of England School.	80	51	26	11	3
"	St. Anne's National School	143	76	31	22	5
Birmingham	All Saints' School	120	94	40	31	6
"	Baptist School, Alcester Street	130	77	27	20	4
"	Bishop Ryder's School	197	192	47	18	3
"	Blue Coat Charity School	60	58	32	15	4
"	Church of the Saviour School	63	27	4	17	4
"	Edgbaston Parochial School	196	148	61	26	6
"	Heath Street, Protestant School.	100	75	26	16	5
"	Heneage Street, British School	60	48	15	11	4
"	King Edward's School, Bath Row.	220	216	81	102	13
"	King Edward's School, King Edward Street.	220	202	64	99	28
"	King Edward's School, Gem Street.	210	203	50	84	24
"	New Jerusalem Schools	150	110	27	26	5
"	St. Andrew's School	147	75	32	15	7
"	St. Barnabas' School	298	165	43	33	9
"	St. Clement's National School	50	40	17	17	3
"	St. John's, Deritend, National School.	40	28	8	15	5
"	St. John's, Ladywood, National School.	276	217	74	63	19
"	St. Luke's National School	240	177	37	18	9
"	St. Mark's Boys' School	200	114	45	36	14
"	St. Mark's Girls' School	36	29	10	4	2
"	St. Mary's Roman Catholic School, Wills Street.	50	50	8	0	5
"	St. Mary's Parochial Schools	90	37	14	3	3
"	St. Mary's, Selly Oak, School	130	52	23	11	6
"	St. Matthias' National School	220	161	44	18	5
"	St. Paul's National School	150	84	25	40	18
"	St. Stephen's National School	160	94	37	16	10
"	St. Thomas' National School	126	90	27	31	4
"	Severn Street, British School	217	180	57	52	16
"	Unitarian Domestic Mission School.	176	168	61	63	15

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	27	—	—	—	—	3 2 0	0 2 3	3 4 3
—	—	60	—	—	—	—	5 3 0	1 5 7	6 8 7
—	—	31	—	—	—	—	3 7 0	0 4 6	3 11 6
—	—	28	—	—	—	—	3 1 0	0 9 0	3 10 0
—	—	13	—	—	—	—	1 1 0	0 2 3	1 3 3
—	—	23	—	—	—	—	2 15 0	0 4 6	2 19 6
—	—	16	—	—	—	—	1 6 0	0 4 6	1 10 6
—	—	40	2	—	2	2	6 0 0	1 13 9	7 13 9
—	—	9	—	—	—	—	0 13 0	1 3 7	1 16 7
—	—	14	—	—	—	—	0 15 0	0 2 3	0 17 3
—	—	30	4	1	—	1	3 15 0	0 6 9	4 1 9
—	—	43	1	—	1	—	4 11 0	1 18 9	6 9 9
—	—	30	—	—	—	—	3 12 0	0 6 9	3 18 9
—	—	218	43	12	1	13	24 16 0	3 5 3	28 1 3
—	—	30	—	—	—	—	3 5 0	2 13 11	5 18 11
—	—	62	2	2	—	2	6 17 0	0 13 6	7 10 6
—	—	34	1	—	1	1	4 7 0	0 15 9	5 2 9
—	—	18	1	—	—	—	1 13 0	0 11 3	2 4 3
—	—	52	2	1	—	1	5 6 0	0 11 3	5 17 3
—	—	33	1	1	—	1	3 13 0	0 6 9	3 19 9
—	1	60	4	—	1	1	6 15 0	1 7 0	8 2 0
—	—	13	—	—	—	—	1 2 0	0 6 9	1 8 9
—	—	40	—	—	—	—	3 17 0	0 6 9	4 3 9
—	—	58	1	—	—	—	5 10 0	0 11 3	6 1 3
—	—	77	2	—	—	—	7 0 0	0 13 6	7 13 6
—	—	51	1	1	—	1	5 9 0	0 9 0	5 18 0
—	—	68	14	2	—	2	6 12 0	6 7 9	12 19 9
—	—	51	—	—	—	—	4 14 0	0 9 0	5 3 0
1	—	26	1	—	1	1	4 5 0	0 18 0	5 3 0
—	—	93	—	—	—	—	7 11 0	0 13 6	8 4 6
—	—	47	2	1	—	1	5 3 0	4 4 0	9 7 0
—	—	30	—	—	—	—	3 9 0	0 9 0	3 18 0
—	—	196	—	—	—	—	17 4 0	1 9 9	18 13 9
—	—	191	—	—	—	—	18 6 0	3 3 0	21 9 0
—	—	158	—	—	—	—	15 10 0	2 14 0	18 4 0
—	—	58	6	—	1	1	6 4 0	1 0 3	7 4 3
—	—	54	—	—	—	—	5 3 0	0 15 9	5 18 9
2	1	88	3	—	—	—	8 11 0	1 9 3	10 0 3
—	—	37	7	2	—	2	5 0 0	5 2 1	10 2 1
—	—	28	—	—	—	—	3 13 0	0 11 3	4 4 3
1	2	159	—	—	—	—	14 12 0	3 0 9	17 12 9
—	—	64	7	1	2	3	7 10 0	2 18 6	10 8 6
—	—	95	—	—	—	—	8 19 0	1 11 6	10 10 6
—	—	16	—	—	—	—	1 4 0	0 4 6	1 8 6
—	—	19	—	—	—	—	1 15 0	0 11 3	2 6 3
—	—	20	—	—	—	—	2 9 0	0 6 9	2 15 9
—	—	40	—	—	—	—	4 3 0	0 13 6	4 16 6
—	—	67	11	3	1	4	7 15 0	1 0 3	8 15 3
—	—	83	5	1	1	2	9 19 0	2 9 6	12 8 6
—	1	64	—	—	—	—	6 4 0	1 11 6	7 15 6
—	—	62	2	—	—	—	6 1 0	4 4 10	10 5 10
3	—	128	3	2	—	2	13 14 0	1 16 0	15 10 0
3	1	143	2	—	1	1	14 2 0	2 11 9	16 13 9

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined. 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Birmingham - -	Wesleyan School, St. Martin Street.	120	98	34	18	3
Birstall - - -	Wesleyan Day School - -	12	6	2	3	1
Bishop Auckland -	Black Boy Colliery School -	73	67	19	34	7
" " -	Wesleyan School - -	98	71	19	30	13
Blackburn - -	Grimshaw Park National School.	206	117	53	32	12
" - -	Mill Hill, Independent School	51	25	2	14	3
" - -	St. John's National Schools -	265	193	104	34	13
" - -	St. Peter's National School -	93	78	40	11	8
" - -	Wesleyan School, St. Peter Street.	21	18	5	4	1
Blakeney - -	British School - - -	80	30	13	8	5
Blyth - - -	English Presbyterian School -	56	46	12	18	8
Boston - - -	Blue Coat School - -	33	27	4	13	6
" - - -	Laughton's Free School -	125	40	5	11	8
" - - -	National School - -	80	67	16	15	10
" - - -	St. James' National School -	97	47	12	14	8
" - - -	Wesleyan School - -	120	56	8	15	14
Boughton (Chester)	St. Paul's National School -	57	57	22	12	2
Bournemouth - -	British School - - -	87	55	16	11	—
Bradford - -	Abbey Road Wesleyan Day School.	150	77	33	19	4
" - -	Holy Trinity National School	61	61	22	22	6
Bramley - -	Wesleyan School - -	40	19	7	1	1
Brecon - - -	Dr. Coke's Memorial Day School.	50	41	13	4	2
Bredbury - -	St. Mark's National School -	24	24	9	10	3
Bridge of Earn -	Free Church School - -	32	26	10	9	4
Bridlington - -	National School - - -	33	27	6	13	6
Bridport - -	General School - - -	25	20	7	8	1
Brierley Hill - -	Wesleyan School - -	140	90	42	28	7
Brightlingsea - -	Wesleyan Schools - -	24	20	4	12	3
Brighton - -	Central National School -	220	177	72	47	16
" - -	St. John's National School -	232	181	61	15	6
" - -	St. Peters' Boys' National School.	105	90	37	35	7
" - -	St. Stephen's Boys' National School.	100	70	25	20	3
" - -	Warwick Street National School.	—	—	—	—	—
Brindley Ford - -	Wesleyan School - -	40	26	10	2	3
Bristol - - -	Baptist Mills, Wesleyan School	80	41	18	6	—
" - - -	Bedminster British School -	250	216	67	33	21
" - - -	Colston's Temple Church School.	150	105	28	28	21
" - - -	Counterslip British School -	160	80	38	16	3
" - - -	Diocesan Trade School -	75	61	8	27	18
" - - -	Emmanuel Church School -	73	73	27	10	6
" - - -	Friends' Boys' School -	280	189	81	38	14
" - - -	Highbury British School, Redland.	150	69	30	15	4
" - - -	Langton Street Wesleyan School.	160	110	49	28	11
" - - -	Lewin's Mead British School -	80	45	24	8	4
" - - -	North Street Wesleyan School	370	256	73	30	11
" - - -	Redcross Street British School.	550	519	158	73	31
" - - -	St. George's National School -	70	18	6	4	1
" - - -	St. James and Saint Paul, Benevolent Societies' National School.	80	61	27	9	4
" - - -	St. John's Parochial School, Redland.	45	24	8	8	2
" - - -	St. Luke's National School, Barton Hill.	40	31	12	10	3

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	55	5	1	—	1	5 9 0	0 6 9	5 15 9
—	—	6	1	—	—	—	0 11 0	0 2 3	0 13 3
—	—	60	2	—	2	2	7 8 0	1 13 9	9 1 9
—	—	61	3	1	1	2	7 15 0	1 16 0	9 11 0
—	—	97	2	—	—	—	8 13 0	1 7 0	10 0 0
—	—	19	—	—	—	—	1 19 0	0 6 9	2 5 9
—	—	151	9	4	1	5	14 11 0	3 14 11	18 5 11
—	—	59	4	1	—	1	5 16 0	3 8 2	9 4 2
—	—	10	—	—	—	—	0 16 0	0 2 3	0 18 3
—	—	26	—	—	—	—	3 4 0	0 11 3	3 15 3
—	—	38	—	—	—	—	4 12 0	0 18 0	5 10 0
—	—	23	—	—	—	—	3 8 0	0 13 6	4 1 6
2	2	28	—	—	—	—	4 11 0	1 16 0	6 7 0
—	—	41	—	—	—	—	4 16 0	1 2 6	5 18 6
—	—	34	2	2	—	2	5 4 0	0 18 0	6 2 0
2	1	40	2	1	1	2	6 17 0	2 9 6	9 6 6
1	—	37	—	—	—	—	3 17 0	0 4 6	4 1 6
—	—	27	—	—	—	—	2 18 0	Nil.	2 18 0
—	—	56	5	1	—	1	5 13 0	0 9 0	6 2 0
—	—	50	—	—	—	—	5 4 0	0 13 6	5 17 6
—	—	—	—	—	—	—	Nil.	0 2 3	0 2 3
—	—	19	—	—	—	—	1 7 0	0 4 6	1 11 6
—	—	22	—	—	—	—	2 18 0	2 8 4	5 6 4
—	—	23	2	1	—	1	3 10 0	0 9 0	3 19 0
—	—	25	2	—	—	—	3 10 0	3 18 2	7 8 2
—	—	16	—	—	—	—	1 6 0	0 2 3	1 8 3
—	—	77	2	1	1	2	7 19 0	1 4 9	9 3 9
—	—	19	3	—	—	—	1 17 0	0 6 9	2 3 9
3	—	138	5	1	1	2	13 9 0	2 5 0	15 14 0
—	—	82	5	1	—	1	7 19 0	1 12 2	9 11 2
—	—	79	—	—	—	—	7 8 0	0 15 9	8 3 9
3	—	51	2	—	—	—	5 9 0	0 6 9	5 15 9
—	—	—	2	1	1	—	Nil.	0 9 0	0 9 0
—	—	15	—	—	—	—	1 3 0	0 6 9	1 9 9
—	—	24	—	—	—	—	2 10 0	Nil.	2 10 0
—	—	121	—	—	—	—	10 1 0	2 7 3	12 8 3
—	—	77	—	—	—	—	8 7 0	4 18 9	13 5 9
1	—	58	2	—	1	1	5 14 0	2 1 11	7 15 11
—	—	53	—	—	—	—	6 16 0	5 16 4	12 12 4
—	—	43	—	—	—	—	3 19 0	0 13 6	4 12 6
—	—	133	5	1	3	4	13 9 0	7 1 9	20 10 9
—	—	49	—	—	—	—	4 12 0	1 19 2	6 11 2
—	—	88	—	—	—	—	7 18 0	1 4 9	9 2 9
—	—	36	2	—	1	—	3 12 0	0 18 0	4 10 0
—	—	114	—	—	—	—	9 6 0	1 4 9	10 10 9
1	2	265	9	4	1	5	24 12 0	4 16 9	29 8 9
—	—	11	4	1	—	—	0 17 0	0 2 3	0 19 3
—	—	40	1	—	—	—	3 17 0	0 9 0	4 6 0
—	—	18	—	—	—	—	1 10 0	0 4 6	1 14 6
—	—	25	—	—	—	—	3 1 0	4 8 4	7 9 4

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined. 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Bristol	St. Luke's National School, Bedminster.	42	42	13	15	13
"	St. Michael's National School	190	155	23	34	5
"	St. Paul's Parochial School	150	109	37	33	9
"	St. Peter's Boys' School	45	30	13	4	1
"	St. Peter's Girls' School	41	30	6	1	1
"	St. Philip and Jacob School	46	46	15	14	4
"	Stokes Croft School	45	45	14	12	4
Bromsgrove	Boys' National School	140	79	31	19	11
Broseley	National School	84	53	19	20	7
Brynmmman	British School	36	26	4	16	1
Buckingham	National School	46	43	6	9	2
Bunbury Aldersey	Grammar School	120	83	19	14	17
Burgh-le-Marsh	Wesleyan School	74	49	15	12	7
Burnley	St. James' National School	110	76	6	—	—
"	Carlton Road School			7	18	10
Burnside	Subscription School	23	15	7	5	1
Burslem	St. John's National School	100	63	18	7	1
"	St. Paul's National School	174	124	48	9	5
"	Sneyd National School	74	56	14	15	8
Burton-on-Trent	Christ Church National School	120	97	36	20	3
Bury	Wesleyan School	150	65	36	10	4
Cainscross	National School	52	45	7	5	1
Callington	National School	69	67	9	7	3
Camborne	British School	100	81	26	14	7
"	Town National School	40	11	5	1	4
Cambridge	King Street National School	140	77	32	21	10
"	St. Giles's Girls' School	50	40	9	6	1
"	St. Paul's National School	74	59	33	11	3
Cambusnethan	Parochial School	80	40	16	15	4
Cannock	National School	32	20	6	9	—
Cardigan	British School	50	40	24	3	1
Carlisle	Abbey Town School	72	58	10	5	1
"	Christ Church School	98	85	25	26	10
"	Shaddon Works School	150	76	31	15	3
Carlow	Christian Brothers' School	250	56	20	15	4
Carmarthen	Lancasterian School	50	22	7	6	2
Carnarvon	National School	91	23	3	11	8
Carrickfergus	Model National School	57	49	15	20	8
Castleknock	Mercers' School	30	17	10	2	1
"	Morgan's Endowed School	38	31	10	12	1
"	Parochial School	30	20	4	4	2
Catrine	Public School	38	32	10	9	9
Chalford	Boys' National School	45	30	13	7	2
Cheltenham	Baker Street British School	70	36	11	5	4
"	British Schools, Henrietta Street.	280	179	53	64	28
"	Christ Church Boys' School	45	33	10	15	3
"	Highbury British School	110	59	16	2	2
"	Parish Church Boys' School	300	142	55	34	17
"	St. James' National School	28	22	5	9	2
"	St. John's National School	120	35	16	9	5
"	St. Luke's School, Bath Road	80	38	15	6	2
"	St. Paul's Practising School	270	137	50	28	4
"	Trinity Church Boys' School	76	47	14	15	6
Chester	Blue Coat School	100	70	19	22	7
"	British School	80	31	8	13	3
"	Diocesan School	238	68	20	26	5
"	St. John's School	107	48	16	10	1
"	St. Mary's National School	250	53	7	6	2
"	Wesleyan Boys' School	100	36	8	18	5
Chichester	British School, Tower Street	75	73	16	30	14
Chorley	Parochial School	70	58	16	11	2
"	St. George's National School	200	163	55	33	5
"	Wesleyan School	180	96	21	16	4
Chorlton-cum Hardy	National School	23	13	3	7	3

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	41	1	—	1	1	6 2 0	1 18 3	8 0 3
—	—	62	2	1	1	2	7 6 0	1 0 3	8 6 3
—	—	79	3	2	—	2	8 10 0	1 0 3	9 10 3
—	—	18	1	—	1	1	1 14 0	0 11 3	2 5 3
—	—	8	2	—	—	—	0 11 0	0 2 3	0 13 3
—	—	33	1	1	—	—	3 15 0	0 9 0	4 4 0
1	—	31	—	—	—	—	3 15 0	0 9 0	4 4 0
—	—	61	—	—	—	—	6 2 0	1 4 9	7 6 9
—	—	46	2	1	—	—	5 0 0	0 15 9	5 15 9
—	—	21	2	—	1	1	3 9 0	0 11 3	4 0 3
—	—	17	—	—	—	—	1 10 0	0 4 6	1 14 6
3	—	53	2	—	—	—	6 13 0	1 18 3	8 11 3
—	—	34	—	—	—	—	4 0 0	0 15 9	4 15 9
—	—	—	—	—	—	—	0 6 0	Nil.	0 6 0
—	—	18	—	—	—	—	2 12 0	1 2 6	3 14 6
—	—	13	—	—	—	—	1 0 0	0 2 3	1 2 3
—	—	26	2	—	—	—	2 15 0	0 2 3	2 17 3
—	—	62	4	1	1	2	6 1 0	1 0 3	7 1 3
—	—	37	1	—	1	1	5 18 0	1 7 0	7 5 0
—	—	59	—	—	—	—	5 5 0	0 6 9	5 11 9
—	—	50	7	1	—	1	4 18 0	0 9 0	5 7 0
1	—	3	—	—	—	—	0 3 0	0 2 3	0 5 3
—	—	19	—	—	—	—	1 12 0	0 6 9	1 18 9
—	—	47	3	1	—	1	5 5 0	0 15 9	6 0 9
—	—	10	2	—	—	—	0 19 0	0 9 0	1 8 0
1	—	64	4	1	1	2	7 9 0	1 11 6	9 0 6
—	—	16	2	—	—	—	1 4 0	0 2 3	1 6 3
1	—	48	—	—	—	—	4 9 0	0 6 9	4 15 9
—	—	35	—	—	—	—	3 18 0	2 16 8	6 14 8
—	—	15	—	—	—	—	1 4 0	Nil.	1 4 0
—	—	—	2	—	—	—	Nil.	0 2 3	0 2 3
—	—	16	—	—	—	—	1 3 0	0 15 1	1 18 1
—	—	61	—	—	—	—	6 7 0	6 2 10	12 9 10
—	—	49	1	—	1	1	5 0 0	0 15 9	5 15 9
—	—	39	3	1	2	3	6 2 0	1 7 0	7 9 0
—	—	15	—	—	—	—	1 5 0	0 4 6	1 9 6
—	—	22	—	—	—	—	3 9 0	0 18 0	4 7 0
—	1	44	3	1	—	1	5 9 0	1 7 0	6 16 0
—	—	13	—	—	—	—	0 17 0	0 2 3	0 19 3
—	—	23	1	1	—	1	3 7 0	0 2 3	3 9 3
—	—	10	3	2	—	2	1 18 0	0 4 6	2 2 6
—	—	28	1	—	1	1	4 5 0	1 9 3	5 14 3
—	—	22	—	—	—	—	2 13 0	0 4 6	2 17 6
—	—	20	—	—	—	—	2 13 0	0 9 0	3 2 0
—	1	116	12	5	3	8	18 10 0	4 19 0	23 9 0
1	—	29	1	—	1	1	4 4 0	0 15 9	4 19 9
—	—	20	1	—	—	—	2 6 0	0 4 6	2 10 6
—	—	96	—	—	—	—	8 14 0	6 2 10	14 16 10
—	—	16	1	1	—	1	1 19 0	0 4 6	2 3 6
1	—	31	1	1	—	1	4 4 0	3 16 4	8 0 4
—	—	23	3	2	—	2	3 13 0	0 4 6	3 17 6
1	—	83	12	4	1	5	9 13 0	0 18 0	10 11 0
—	—	35	2	1	—	1	4 12 0	0 13 6	5 5 6
—	—	48	—	—	—	—	5 4 0	0 15 9	5 19 9
—	—	24	1	1	—	1	3 13 0	0 6 9	3 19 9
—	—	51	—	—	—	—	5 17 0	0 11 3	6 8 3
—	—	27	1	—	—	—	2 19 0	0 2 3	3 1 3
—	—	15	2	—	1	—	1 5 0	0 13 6	1 18 6
—	—	26	—	—	—	—	3 9 0	0 11 3	4 0 3
1	—	61	3	—	1	1	7 13 0	2 0 6	9 13 6
—	—	29	—	—	—	—	3 4 0	0 4 6	3 8 6
—	—	93	2	—	—	—	7 16 0	0 11 3	8 7 3
—	—	41	2	1	—	1	4 15 0	0 9 0	5 4 0
—	—	13	—	—	—	—	1 6 0	0 6 9	1 12 9

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined, 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Chorlton-on-Medlock	St. Saviour's Boys' School	84	64	29	26	5
Cirencester	Boys' British School	100	57	43	14	5
"	Church of England Blue and Yellow School.	160	147	57	45	7
Cleator Moor	Hematite Iron Co.'s School	26	19	4	12	2
Clent	National School	35	27	13	3	—
Clevedon	Chapel Hill British School	62	48	12	8	3
"	National School	40	39	16	6	3
Clitheroe	Wesleyan Day School	30	9	—	3	3
Clonmel	District Model School	120	45	22	8	—
Clydach	British School	30	24	3	7	14
Coalbrookdale	Company's School	110	74	19	13	5
Codnor and Loscoe	National Schools	93	30	15	10	2
Colchester	Blue Coat and National School.	—	—	—	—	—
Collessie	Parish School	40	36	19	2	2
Collingbourne Ducis	National School	18	11	1	4	2
Colnbrook and Horton.	National School	40	30	6	2	2
Colwyn	National School	28	17	4	1	1
Congleton	Wesleyan School (Gillowshaw Brook).	60	45	7	6	2
Copley	Copley Factory School	286	223	73	29	4
Coppenhall	National School	152	106	30	23	7
Cork	Angel Guardians' School	25	20	9	3	2
"	Blackrock National School	35	32	11	9	2
"	District Model School (Boys)	245	148	37	37	12
"	" " (Girls)	165	122	23	34	8
"	St. Patrick's National School	60	50	11	10	4
"	St. Stephen's Hospital School	20	8	1	4	1
Coseley	Christ Church School	200	123	32	23	5
" (West)	" "	123	85	23	24	6
Coventry	Bablake School	70	65	22	18	5
"	King Street British School	168	83	29	27	6
"	St. Michael's School	150	90	23	18	5
"	St. Peter's National School	150	104	19	17	7
"	Trinity School	207	127	28	26	8
Cradley	Wesleyan School	70	55	17	12	3
Crewe	National School	270	230	82	68	12
"	Presbyterian School	38	32	11	6	—
"	Wesleyan School	160	113	39	28	15
Cromer	Goldsmiths' Free School	70	56	22	12	6
Culham	Practising School	60	52	21	20	4
Dalton-in-Furness	National School	50	34	8	17	6
Darlington	St. Cuthbert's National School	65	52	17	6	1
"	St. John's National School	120	63	22	14	3
"	Trinity National School	72	54	18	12	6
"	Wesleyan Day School	50	32	14	13	2
Denton	Christ Church School	83	79	11	6	3
Derby	Holy Trinity School	75	63	20	18	5
"	King Street Wesleyan School	120	82	38	27	6
"	Orchard Street British Schools	160	126	51	55	18
"	St. Andrew's National School	250	175	62	26	8
Derry	Model School	160	102	42	49	9
Devonport	Royal Naval and Military School.	400	225	67	45	15
"	St. James', Keyham, National School.	220	109	34	29	15
"	St. Stephen's National School	130	110	29	8	7
Devoran	Wesleyan School	30	16	2	9	5
Didsbury	National School	36	28	6	7	1
Didsbury and Barlow Moor.	Wesleyan School	60	36	10	12	8
Dingwall	Free Church School	55	50	19	15	9
Doncaster	British School	300	183	52	30	9
"	Great Northern Railway School	150	130	48	30	14

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	60	2	1	—	1	6 6 0	0 11 3	6 17 3
1	1	41	—	—	—	—	4 13 0	1 0 3	5 13 3
—	—	109	—	—	—	—	9 8 0	0 15 9	10 3 9
—	—	18	—	—	—	—	1 14 0	0 4 6	1 18 6
—	—	16	—	—	—	—	0 19 0	Nil.	0 19 0
—	—	23	1	—	—	—	2 17 0	0 6 9	3 3 9
—	—	25	—	—	—	—	2 17 0	0 6 9	3 3 9
—	—	6	—	—	—	—	0 15 0	0 6 9	1 1 9
—	—	30	10	—	2	2	4 8 0	0 18 0	5 6 0
—	—	24	1	—	1	—	3 19 0	2 0 6	5 19 6
2	—	39	—	—	—	—	4 10 0	0 11 3	5 1 3
—	—	27	1	—	—	—	3 1 0	0 4 6	3 5 6
—	—	—	6	3	1	4	2 0 0	0 9 0	2 9 0
—	—	23	1	—	—	—	2 9 0	0 4 6	2 13 6
—	—	7	1	1	—	1	1 5 0	0 4 6	1 9 6
—	—	10	—	—	—	—	0 16 0	0 4 6	1 0 6
—	—	6	—	—	—	—	0 9 0	0 2 3	0 11 3
—	—	15	2	—	2	2	2 5 0	0 13 6	2 18 6
—	—	106	2	1	—	1	8 13 0	0 18 0	9 11 0
—	—	60	1	—	—	—	5 17 0	0 15 9	6 12 9
—	—	14	1	—	1	1	1 11 0	0 13 6	2 4 6
—	—	22	—	—	—	—	2 15 0	0 4 6	2 19 6
—	—	85	10	1	1	2	9 4 0	1 16 0	11 0 0
—	—	65	8	—	—	—	6 15 0	0 18 0	7 13 0
—	—	25	—	—	—	—	3 3 0	0 9 0	3 12 0
—	—	—	—	—	—	—	Nil.	0 2 3	0 2 3
—	—	60	4	—	1	—	5 13 0	1 0 3	6 13 3
—	—	53	4	3	—	3	6 19 0	0 13 6	7 12 6
—	—	45	—	—	—	—	Nil.	0 11 3	0 11 3
1	—	63	—	—	—	—	6 6 0	0 13 6	6 19 6
—	—	56	3	1	—	1	5 14 0	0 11 3	6 5 3
—	—	43	2	—	—	—	4 14 0	0 15 9	5 9 9
—	—	62	—	—	—	—	6 4 0	0 18 0	7 2 0
—	—	32	—	—	—	—	3 10 0	0 6 9	3 16 9
—	—	162	6	1	2	3	15 4 0	2 5 0	17 9 0
—	—	17	—	—	—	—	1 3 0	Nil.	1 3 0
1	—	83	3	1	1	2	9 15 0	4 17 3	14 12 3
—	—	40	—	—	—	—	4 4 0	0 13 6	4 17 6
—	—	45	1	1	—	1	5 13 0	0 9 0	6 2 0
—	—	31	6	2	2	4	6 0 0	1 11 6	7 11 6
—	—	24	2	—	—	—	2 12 0	0 2 3	2 14 3
—	—	39	2	—	—	—	3 19 0	0 6 9	4 5 9
—	—	36	—	—	—	—	4 0 0	0 13 6	4 13 6
—	—	29	5	1	—	1	3 16 0	0 4 6	4 0 6
—	—	19	1	1	—	1	3 9 0	0 6 9	3 15 9
—	—	43	—	—	—	—	4 11 0	0 11 3	5 2 3
—	—	71	5	—	—	—	6 10 0	0 13 6	7 3 6
—	—	119	4	2	1	3	12 10 0	1 18 3	14 8 3
—	—	96	11	2	—	2	8 18 0	3 13 9	12 11 9
—	—	100	2	2	—	2	10 7 0	1 0 3	11 7 3
—	—	127	—	—	—	—	11 2 0	1 13 9	12 15 9
—	—	78	3	1	1	—	7 7 0	2 2 9	9 9 9
—	—	44	—	—	—	—	4 6 0	0 15 9	5 1 9
—	—	16	1	—	—	—	1 15 0	0 11 3	2 6 3
—	—	14	—	—	—	—	1 3 0	0 2 3	1 5 3
—	—	30	1	1	—	1	4 8 0	0 18 0	5 6 0
—	—	43	2	1	1	2	5 16 0	2 0 1	7 16 1
—	—	90	7	1	1	2	8 17 0	2 12 2	11 9 2
—	—	92	—	—	—	—	8 10 0	1 11 6	10 1 6

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined. 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Doncaster	Parish Church National School	30	24	5	4	3
"	Yorkshire Deaf and Dumb Institution.	58	43	11	22	3
Downpatrick	John Street National School	180	71	27	23	5
Downton	British School	70	70	28	16	5
Dublin	Aungier Street Incorporated School.	22	18	4	8	3
"	Central Model National School	445	247	104	72	19
"	Church Education Model and Training School.	286	159	57	30	9
"	Mission School	70	60	16	3	4
"	Ralph Macklin's School	99	76	22	23	14
"	St. Peter's National School	40	36	15	11	3
"	Tailors' Hall Endowed School	56	32	11	9	4
Dudley	Baylies' Charity School	212	130	60	20	8
"	Blue Coat and Taylor's Charity School.	250	166	60	48	14
"	British School (Stafford Street).	126	77	29	23	8
"	Holly Hall School	260	120	63	28	10
"	Parish Church School	80	42	14	10	3
"	St. James' National School	102	43	21	6	—
"	St. John's National School	100	73	27	28	9
"	Wesleyan School	60	47	15	13	4
Dumbarton	Burgh Academy	133	122	43	39	10
"	Wesleyan School	80	59	20	7	2
Dunbarney	Parochial School	32	25	11	9	1
Dundee	Blackscroft East Church Parish Sessional School.	50	24	4	10	3
"	Chapelshade Free Ch. School	50	38	11	17	2
"	Euclid Crescent School	60	60	13	27	8
"	Royal Orphan Institution	46	34	19	12	3
"	St. Andrew's Free Church School.	94	46	8	26	5
"	St. Andrew's Sessional School	64	49	7	26	12
"	St. David's Free Church School	64	27	9	8	2
"	St. John's Free Church School	97	63	21	19	8
"	St. Peter's Free Church School	125	62	14	27	10
Dunfermline	Free Abbey School	73	52	22	10	4
Durham	Blue Coat School	102	50	10	14	5
"	Model School	50	33	9	8	2
"	Wesleyan School	100	51	15	15	3
Dysart	Subscription School	30	28	10	11	5
Eaglescliffe	National School	25	23	8	5	1
Eagley Mills	British School	180	63	31	10	7
Earl's Colne	Colne United British Schools	40	28	10	7	1
East Dereham	British School	24	17	9	3	1
Eastington	National School	18	15	8	4	2
East Wemyss	Free Church School	26	20	5	8	7
Edgeley	Wesleyan School	35	26	13	10	2
Edinburgh	Deaf and Dumb Institution	50	41	10	16	3
"	Free Church Normal School, Moray House.	450	350	138	107	31
"	Lancasterian Boys' School	140	103	29	12	7
"	Lancasterian Girls' School	78	67	27	5	1
"	St. George's Local Day School	250	218	93	46	21
"	McLean's School	83	56	16	14	7
"	Newington Free Church School.	100	74	22	25	8
"	Orphan Hospital	93	70	33	14	6
"	St. Mary's Free Church School.	138	59	25	13	6
"	St. Paul's Free Church School	266	120	51	33	6
Egerton (Salford)	St. Bartholomew's School	34	27	10	12	5
Ellel	Endowed School	51	30	14	3	2
Elswick	St. Paul's National School	75	63	21	25	7

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	12	1	1	—	—	1 2 0	0 6 9	1 8 9
—	—	—	—	—	—	—	Nil.	0 6 9	0 6 9
—	—	52	—	—	—	—	5 2 0	0 11 3	5 13 3
—	—	49	—	—	—	—	4 15 0	0 11 3	5 6 3
—	—	15	—	—	—	—	1 9 0	0 6 9	1 15 9
—	—	105	—	—	—	—	16 5 0	4 0 2	20 5 2
—	—	96	—	—	—	—	8 4 0	1 0 3	9 4 3
—	—	28	—	—	—	—	2 14 0	0 9 0	3 3 0
—	—	59	4	2	2	4	8 10 0	2 9 6	10 19 6
—	—	29	1	1	—	1	3 16 0	0 6 9	4 2 9
—	—	24	2	—	1	1	3 11 0	0 18 0	4 9 0
1	—	89	—	—	—	—	7 9 0	0 18 0	8 7 0
—	—	122	—	—	—	—	10 18 0	1 11 6	12 9 6
3	—	63	—	—	—	—	6 14 0	0 18 0	7 12 0
—	—	101	—	—	—	—	8 9 0	1 2 6	9 11 6
—	—	27	2	—	—	—	3 3 0	0 6 9	3 9 9
—	—	23	—	—	—	—	2 8 0	Nil.	2 8 0
4	—	68	1	—	—	—	7 10 0	1 0 3	8 10 3
—	—	28	2	—	—	—	3 4 0	0 9 0	3 13 0
—	—	92	1	1	—	1	9 1 0	6 3 8	15 4 8
—	—	29	3	—	—	—	3 0 0	0 4 6	3 4 6
—	—	21	1	—	—	—	2 12 0	0 2 3	2 14 3
—	—	17	—	—	—	—	1 13 0	4 5 4	5 18 4
—	—	30	—	—	—	—	3 11 0	0 4 6	3 15 6
1	—	49	—	—	—	—	5 16 0	0 18 0	6 14 0
—	—	34	6	1	—	1	4 2 0	0 6 9	4 8 9
—	—	39	2	—	—	—	4 15 0	0 11 3	5 6 3
—	—	45	4	—	—	—	5 15 0	1 7 0	7 2 0
—	—	—	3	—	—	—	Nil.	0 4 6	0 4 6
—	—	48	—	—	—	—	5 3 0	0 18 0	6 1 0
1	—	52	14	6	3	9	10 13 0	2 9 6	13 2 6
—	—	36	—	—	—	—	3 14 0	0 9 0	4 3 0
1	—	36	1	—	—	—	4 4 0	0 11 3	4 15 3
—	—	—	1	—	—	—	Nil.	0 4 6	0 4 6
—	—	33	1	—	—	—	3 14 0	0 6 9	4 0 9
—	—	26	1	1	—	—	3 7 0	0 11 3	3 18 3
—	—	14	1	1	—	1	1 11 0	0 2 3	1 13 3
—	—	48	—	—	—	—	4 12 0	0 15 9	5 7 9
—	—	18	1	—	—	—	1 7 0	0 2 3	1 9 3
—	—	13	—	—	—	—	0 18 0	0 2 3	1 0 3
—	—	14	—	—	—	—	1 2 0	4 2 3	5 4 3
—	—	20	1	—	—	—	3 2 0	0 15 9	3 17 9
—	—	25	2	—	—	—	2 19 0	0 4 6	3 3 6
—	—	29	—	—	—	—	3 11 0	0 6 9	3 17 9
—	—	276	4	4	—	4	25 5 0	6 8 3	31 13 3
—	—	48	2	—	1	1	5 4 0	1 4 9	6 8 9
—	—	33	7	1	3	4	5 0 0	1 9 3	6 9 3
1	—	161	—	—	—	—	13 13 0	2 7 3	16 0 3
—	—	37	1	—	1	—	4 5 0	1 4 9	5 9 9
—	—	55	3	1	—	1	6 1 0	0 18 0	6 19 0
—	—	53	—	—	—	—	4 19 0	0 13 6	5 12 6
—	—	44	1	—	—	—	4 9 0	0 13 6	5 2 6
—	—	90	7	2	—	2	8 15 0	0 13 6	9 8 6
—	—	27	2	—	—	—	3 9 0	0 11 3	4 0 3
—	—	11	2	—	—	—	0 16 0	0 4 6	1 0 6
—	—	83	—	—	—	—	5 12 0	0 15 9	6 7 9

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined. 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Ely	Boys' National School	34	30	7	12	3
Ettingshall	National School	120	82	22	12	4
Evercreech	National School	65	29	10	6	2
Everton	Christ Church School	81	71	15	18	10
"	Great Homer Street Wesleyan School.	170	123	33	24	8
"	St. Chrysostom's National School.	200	168	88	8	9
Exeter	Devon and Exeter Central Schools.	120	41	16	12	2
"	Episcopal Charity School	125	54	28	14	10
"	Hele's School	153	64	12	30	16
"	Mint Lane Wesleyan School	100	83	24	26	8
"	St. David's National School	118	40	15	14	8
"	St. John's Hospital School	200	100	27	43	18
Fakenham	British School	19	7	2	3	1
Falkirk	Free Church School	65	40	8	16	2
"	Parish School	150	147	61	49	14
Farnborough	Church of England School	32	27	5	9	4
Farnworth	Wesleyan School	150	104	43	14	4
Fenny Stratford	British School	30	24	8	9	5
Flitwick	National School	26	26	5	3	—
Flookersbrook	National School	50	26	16	7	1
Frome	British School	50	45	17	6	2
"	Wesleyan School	70	63	34	10	3
Gainsborough	Wesleyan School	54	47	16	16	4
Gateshead	Church of England School	100	77	44	12	2
"	Wesleyan School	200	105	31	37	13
Glasgow	Anderston Free Church Schools	43	33	9	14	6
"	Bridgeton Free Church Schools	65	46	13	6	2
"	Bridgeton Parish Schools	104	94	26	23	8
"	Bridgeton Public Schools	110	106	36	23	8
"	Cathcart Street Schools	140	103	60	25	2
"	Church of Scotland Normal School.	32	32	13	14	4
"	Finnieston Free Church School	175	102	28	25	6
"	Green Street Mission School	173	138	53	25	7
"	Highland Society's School	292	292	138	54	15
"	Kinning Park Free Church School.	60	40	19	11	4
"	St. Andrew's Roman Catholic Charity School.	87	51	16	12	7
"	St. David's Parochial School	113	49	17	15	1
"	St. George's Free Church School.	90	75	26	31	5
"	St. James's Sessional School	176	111	49	38	8
"	St. John's Free Church School	70	52	20	13	5
"	St. John's Annfield Sessional School.	245	198	59	54	7
"	St. Matthew's Free Church School.	80	54	21	11	2
"	St. Matthew's Sessional School	220	183	67	70	25
"	St. Mungo's Roman Catholic School.	200	80	28	19	14
Glasnevin	Claremont Deaf and Dumb Institution School.	35	28	11	7	4
Gloucester	British Schools	100	60	22	22	15
Gorton	Manchester, Sheffield, & Lincolnshire Railway Company's School.	140	115	35	24	5
" West	St. Mark's School	38	22	9	13	1
Govan	Maxwell Sessional School	45	40	15	6	2
Goytrey	National School	25	14	5	3	—
Grantham	British School	42	26	16	6	4
Gravesend	Princes Street Chapel School	190	156	70	22	2
Great Budworth	Church of England School	18	7	3	3	—

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	22	1	—	—	—	3 0 0	0 6 9	3 6 9
—	—	38	—	—	—	—	3 18 0	0 9 0	4 7 0
—	—	18	3	—	—	—	1 8 0	0 4 6	1 12 6
—	—	49	5	3	1	4	7 19 0	2 5 0	10 4 0
—	—	65	2	—	—	—	6 5 0	0 18 0	7 3 0
—	—	105	—	—	—	—	7 11 0	1 0 3	8 11 3
—	—	30	—	—	—	—	3 6 0	0 4 6	3 10 6
—	—	52	—	—	—	—	5 6 0	1 2 6	6 8 6
—	—	58	—	—	—	—	7 0 0	1 16 0	8 16 0
3	1	62	4	1	—	1	7 10 0	1 7 0	8 17 0
—	—	37	—	—	—	—	4 7 0	0 18 0	5 5 0
—	—	88	—	—	—	—	9 7 0	2 0 6	11 7 6
—	—	6	—	—	—	—	0 11 0	0 2 3	0 13 3
—	—	26	—	—	—	—	3 6 0	1 11 9	4 17 9
—	—	124	—	—	—	—	11 1 0	1 11 6	12 12 6
—	—	18	—	—	—	—	1 15 0	2 6 4	4 1 4
—	—	61	—	—	—	—	5 3 0	0 9 0	5 12 0
—	—	22	2	1	1	2	4 1 0	3 11 5	7 12 5
—	—	8	—	—	—	—	0 11 0	Nil.	0 11 0
—	—	24	—	—	—	—	2 13 0	0 2 3	2 15 3
—	—	25	—	—	—	—	2 15 0	2 18 0	5 13 0
—	—	47	—	—	—	—	4 3 0	0 6 9	4 9 9
—	—	36	1	—	—	—	4 0 0	2 10 1	6 10 1
—	—	58	6	3	1	4	6 14 0	0 13 6	7 7 6
—	—	81	1	—	—	—	8 4 0	1 9 3	9 13 3
—	—	29	2	—	—	—	3 15 0	0 13 6	4 8 6
—	—	21	5	—	—	—	2 11 0	0 4 6	2 15 6
—	—	57	5	2	2	4	7 16 0	1 16 0	9 12 0
—	—	67	6	2	1	3	7 16 0	1 7 0	9 3 0
—	—	87	7	1	—	1	7 6 0	6 3 7	13 9 7
—	—	31	12	2	—	2	4 13 0	0 4 6	4 17 6
—	—	59	4	1	—	1	6 6 0	0 13 6	6 19 6
—	—	85	7	1	—	1	7 14 0	2 16 3	10 10 3
2	—	209	9	5	5	10	21 1 0	6 6 7	27 7 7
—	—	34	—	—	—	—	3 13 0	0 9 0	4 2 0
—	—	35	9	1	1	2	5 1 0	1 4 9	6 5 9
—	—	26	5	1	—	—	3 1 0	0 2 3	3 3 3
—	—	62	5	2	—	2	7 3 0	0 11 3	7 14 3
—	—	95	8	—	—	—	8 9 0	0 18 0	9 7 0
—	—	38	3	—	—	—	4 1 0	0 11 3	4 12 3
—	—	120	8	4	1	5	12 18 0	1 4 9	14 2 9
—	—	34	8	3	—	3	4 19 0	2 1 8	7 0 8
1	3	166	8	4	1	5	18 12 0	3 5 3	21 17 3
—	—	61	4	3	1	4	9 8 0	2 0 6	11 8 6
—	—	22	—	—	—	—	2 17 0	2 2 7	4 10 7
—	—	59	6	—	2	—	6 11 0	2 11 9	9 2 9
—	—	64	—	—	—	—	5 18 0	0 11 3	6 9 3
—	—	23	—	—	—	—	2 14 0	0 2 3	2 16 3
—	—	23	2	—	—	—	2 13 0	0 4 6	2 17 6
—	—	8	—	—	—	—	0 11 0	Nil.	0 11 0
—	—	26	1	—	—	—	3 0 0	1 13 1	4 13 1
—	—	94	2	1	—	1	7 10 0	0 4 6	7 14 6
—	—	6	1	—	—	—	0 9 0	Nil.	0 9 0

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined. 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Great Stanmore	National School	26	20	10	7	—
Greenock	Charity School	198	126	70	11	2
"	Finnieston Free Church School.	53	45	27	11	4
"	Highlander's Academy	140	93	44	32	5
"	Lynedoch St. Academy	60	45	19	16	3
"	St. Andrew's Square School	90	57	26	18	7
Gunnerside	Wesleyan School	95	73	25	4	2
Gwennap	Church Town Boys' School	75	24	6	8	2
Hadleigh	Boys' National School	105	45	8	13	5
Halifax	Haley Hill Schools	320	186	63	48	14
"	National School, Mount Pellon	81	65	15	18	8
"	Parochial School	280	244	91	19	3
Halliwell	St. Paul's National School	190	97	27	29	10
Halstead	British School	28	25	4	14	1
Hambledon	National School	35	28	13	9	2
Hampsthwaite	National School	50	31	15	3	—
Handsworth	Parish Church School	65	54	26	6	2
"	St. Michael's Church School	131	100	44	15	2
Harborne	British School	95	85	33	19	5
Harthill	Endowed School	40	36	11	2	1
Hartshill	National School	70	52	25	16	4
Haslingden	Church of England School	200	90	13	7	4
Haslington	National School	25	18	9	6	1
Haverfordwest	British School	45	31	12	12	3
Haworth	Wesleyan School	40	40	15	3	—
Headingley	Town School	110	89	30	25	15
Heady Hill	National School	60	33	18	8	1
Heapey	National School	60	49	11	16	7
Heckmondwike	Upper Day School	64	30	12	8	3
Heeley	National School	77	58	20	8	3
Hemel Hempstead	Frogmore Endowed Church of England School.	80	40	12	7	3
Heywood	St. James' National School	110	65	19	18	5
High Harrogate	National School	72	32	9	12	2
Hinckley	Parish Church School	20	15	6	5	2
Hingham	National Schools	96	75	22	10	7
Hitchin	St. Mary's School	130	80	27	12	5
Hoddesdon	Boys' British School	28	18	5	6	2
Holbeck	Wesleyan School	162	112	30	47	15
Hollinwood	St. Margaret's School	90	76	40	15	4
Holmer and Huntingdon.	National School	31	25	11	8	2
Holt	Langham National School	39	19	7	4	2
Holyhead	Boys' British School	180	100	40	7	1
Horfield	United Methodist Free Church School.	36	28	13	12	3
Horton	National School	40	36	14	7	6
Huddersfield	St. Patrick's School	71	53	15	8	4
"	St. Paul's School	350	193	58	51	11
"	St. Thomas' National School, Longroyd Bridge.	87	39	19	7	1
Hull	Albion Congregational School	120	82	28	19	7
"	Day Street British School	120	65	25	10	1
"	Holderness Ward British School.	135	97	38	12	2
"	South Myton School	480	319	102	80	50
Hunslet	St. Mary's School	150	79	31	21	2
Hurlford	Portland Iron Works School	80	50	10	10	2
Hurworth-on-Tees	Wesleyan School	24	17	3	11	3
Idle	Holy Trinity School	268	102	19	8	1
Ightham	National School	24	22	9	6	1
Illogan	Basset's School	110	88	28	14	6
Ince	National School	75	68	30	11	4
Inverbrothock	Sessional School	83	45	19	15	1
Inverness	Bishop's Girls' School	45	36	11	6	1

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	17	—	—	—	—	1 4 0	Nil.	1 4 0
—	—	83	—	—	—	—	5 18 0	0 4 6	6 2 6
—	—	42	1	1	—	1	4 11 0	2 15 4	7 6 4
—	—	81	2	1	—	1	7 13 0	0 11 3	8 4 3
—	—	38	—	—	—	—	4 0 0	0 6 9	4 6 9
—	—	51	—	—	—	—	5 3 0	0 15 9	5 18 9
—	—	31	1	—	—	—	2 19 0	0 4 6	3 3 6
—	—	16	2	2	—	2	2 8 0	0 4 6	2 12 6
—	1	27	2	2	—	2	4 14 0	3 0 2	7 14 2
—	—	125	—	—	—	—	11 1 0	1 11 6	12 12 6
—	—	41	2	—	—	—	4 15 0	0 18 0	5 13 0
—	—	113	—	—	—	—	7 18 0	0 6 9	8 4 9
—	—	66	5	3	—	3	8 5 0	1 2 6	9 7 6
—	—	10	—	—	—	—	1 15 0	0 2 3	1 17 3
—	—	24	1	1	—	—	2 17 0	0 4 6	3 1 6
—	—	18	—	—	—	—	1 1 0	Nil.	1 1 0
—	—	34	1	—	—	—	3 4 0	0 4 6	3 8 6
—	—	61	4	1	—	1	5 10 0	0 4 6	5 14 6
—	—	57	1	—	—	—	5 6 0	1 13 3	6 19 3
—	—	14	—	—	—	—	0 18 0	0 2 3	1 0 3
—	—	45	4	2	—	2	5 9 0	0 9 0	5 18 0
—	—	—	—	—	—	—	Nil.	0 9 0	0 9 0
—	—	16	—	—	—	—	1 4 0	0 2 3	1 6 3
—	—	27	—	—	—	—	3 5 0	0 6 9	3 11 9
—	—	18	—	—	—	—	1 1 0	Nil.	1 1 0
—	—	70	—	—	—	—	7 5 0	1 13 9	8 18 9
—	—	27	—	—	—	—	2 17 0	0 2 3	2 19 3
—	—	34	—	—	—	—	4 4 0	0 15 9	4 19 9
—	—	23	—	—	—	—	2 17 0	0 6 9	3 3 9
—	—	31	1	—	—	—	3 5 0	0 6 9	3 11 9
—	—	22	2	—	1	1	3 15 0	2 16 3	6 11 3
—	—	9	—	—	—	—	2 0 0	0 11 3	2 11 3
—	—	23	3	—	—	—	2 19 0	0 4 6	3 3 6
—	—	13	1	—	—	—	1 2 0	0 4 6	1 6 6
—	—	30	2	1	—	1	4 3 0	0 15 9	4 18 9
—	—	44	—	—	—	—	4 6 0	0 11 3	4 17 3
—	—	13	—	—	—	—	1 3 0	0 4 6	1 7 6
—	—	74	2	2	—	—	7 13 0	1 13 9	9 6 9
—	—	59	1	—	—	—	5 2 0	0 9 0	5 11 0
—	—	21	—	—	—	—	2 13 0	0 4 6	2 17 6
—	—	13	2	—	—	—	1 1 0	0 9 7	1 10 7
—	—	48	—	—	—	—	3 17 0	0 2 3	3 19 3
—	—	28	1	1	—	1	3 16 0	0 6 9	4 2 9
—	—	27	2	1	1	2	4 6 0	1 2 6	5 8 6
—	—	27	—	—	—	—	3 3 0	0 9 0	3 12 0
2	—	122	4	2	2	4	13 3 0	2 2 9	15 5 9
—	—	27	2	—	—	—	2 16 0	0 2 3	2 18 3
—	—	54	—	—	—	—	5 7 0	0 15 9	6 2 9
—	—	36	2	1	—	1	3 18 0	0 2 3	4 0 3
—	—	52	6	1	1	2	5 8 0	1 3 4	6 11 4
4	1	237	7	3	2	5	25 7 0	12 1 3	37 8 3
—	—	54	1	—	—	—	4 19 0	0 4 6	5 3 6
—	—	22	7	—	—	—	2 16 0	5 17 0	8 13 0
—	—	17	—	—	—	—	1 14 0	0 6 9	2 0 9
—	—	28	1	—	—	—	2 18 0	2 11 4	5 9 4
—	—	16	—	—	—	—	1 4 0	0 2 3	1 6 3
—	—	48	4	—	1	1	5 4 0	1 2 6	6 6 6
—	—	54	—	—	—	—	4 13 0	0 9 0	5 2 0
—	—	35	3	1	1	2	4 12 0	0 11 3	5 3 3
—	—	18	3	2	—	2	3 6 0	0 2 3	3 8 3

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined. 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Inverness	High School	175	150	65	33	7
Ipswich	British School	233	188	98	31	10
"	Christ's Hospital School	105	97	83	42	7
"	District National School, Boys'	208	137	45	21	—
"	District National School, Girls'	36	36	13	6	—
"	Holy Trinity School	130	100	41	15	1
"	St. Clement's and St. Helen's School.	160	113	41	11	2
"	St. Margaret's Boys' School	55	55	21	12	5
"	St. Margaret's Girls' "	45	36	12	2	1
"	St. Peter's School	130	97	26	7	1
"	Wesleyan Day School	46	29	5	2	2
Iron Bridge	Church of England Parochial Boys' Day School.	40	19	8	—	1
"	Church of England Parochial Girls' Day School.	25	24	3	2	—
Jarrow-on-Tyne	Wesleyan School	150	106	42	27	9
Keele	National School	90	38	16	6	3
Keighley	St. Mary's School, Eastwood	63	35	11	6	3
"	Ingrow National School	140	97	32	15	6
"	National School	330	279	115	49	10
"	Wesleyan School	200	137	66	24	5
"	Wesleyan School, Wesley Place.	90	83	36	10	2
Kexby	National School	30	21	8	7	2
Kidderminster	New Meeting Charity School	110	77	33	13	4
"	Old Meeting Charity School	150	116	59	21	5
"	St. George's National School	130	65	26	12	2
"	St. John the Baptist School	110	94	35	16	2
"	St. Mary's National School	90	72	22	13	5
Kilmarnock	New Public School	10	6	1	4	1
"	Rose's School	111	84	30	24	4
Kilmington	National School	40	33	4	1	1
King's Lynn	British School	60	30	12	11	2
King Stanley	St. George's National School	51	31	11	6	1
Kirkburton	Wesleyan Day School	66	39	9	9	2
Kirkoswald	National School	80	37	15	11	2
Kirkstall	St. Stephen's National School	202	106	49	22	5
Kirkwall	Grammar School	58	40	11	22	4
Knaresborough	Boys' National School	67	20	5	11	2
Knottingley	National School	75	52	11	8	1
Lakenham	St. Mark's School	181	143	52	11	10
Lalcham	Parochial School	26	13	1	9	3
Lancaster	Boys' National School	480	259	127	45	8
"	British School	40	24	12	8	4
"	St. Thomas' Boys' School	144	123	42	28	5
Langdale	Endowed School	19	12	1	7	3
Larbert	Sessional School	56	37	15	12	1
Latchford	St. James' Schools	72	53	16	6	2
Laurencekirk	Free Church School	68	16	4	9	3
Laversdale	Church of England School	40	32	15	13	1
Leadgate	Wesleyan Day School	40	29	12	8	2
Leake	British and Foreign School	100	47	20	8	3
Leamington	Spencer Street School	197	70	33	31	5
"	Windsor Street Wesleyan Day School.	82	35	6	26	3
Leeds	Basinghall Street Schools	124	81	29	26	9
"	Christ Church Schools	26	14	4	1	—
"	Congregational School	122	112	32	45	9
"	Darley Street Wesleyan School	320	231	78	39	11
"	Newtown Schools	50	36	10	10	4
"	St. George's School	270	263	109	68	23
"	St. Mark's National School	200	95	36	31	7
"	St. Mary's School	130	46	15	17	4
"	St. Michael's Schools	80	35	17	11	3
"	St. Peter's National School	310	232	82	42	12

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	105	—	—	—	—	8 12 0	0 15 9	9 7 9
—	1	140	3	2	1	3	12 5 0	2 0 6	14 5 6
—	—	82	—	—	—	—	7 18 0	0 15 9	8 13 9
—	—	66	—	—	—	—	5 7 0	Nil.	5 7 0
—	—	19	—	—	—	—	1 5 0	Nil.	1 5 0
—	—	57	—	—	—	—	4 14 0	0 2 3	4 16 3
—	—	54	—	—	—	—	4 9 0	0 4 6	4 13 6
—	—	38	—	—	—	—	4 0 0	0 11 3	4 11 3
—	—	15	—	—	—	—	0 19 0	0 2 3	1 1 3
—	—	34	2	—	—	—	3 3 0	0 2 3	3 5 3
—	—	7	1	1	—	—	0 11 0	0 4 6	0 15 6
—	—	9	—	—	—	—	0 11 0	0 2 3	0 13 3
—	—	5	—	—	—	—	0 7 0	Nil.	0 7 0
—	—	78	—	—	—	—	7 3 0	1 0 3	8 3 3
3	2	30	—	—	—	—	4 2 0	1 4 9	5 6 9
—	—	20	2	—	1	1	3 2 0	0 15 9	3 17 9
1	—	54	1	—	1	1	6 5 0	1 2 6	7 7 6
—	—	174	5	—	—	—	13 3 0	1 2 3	14 5 6
—	—	95	1	—	—	—	7 9 0	0 11 3	8 0 3
—	—	48	—	—	—	—	4 2 0	0 4 6	4 6 6
—	—	17	4	—	—	—	1 8 0	0 4 6	1 12 6
1	—	51	—	—	—	—	4 16 0	0 9 0	5 5 0
—	—	85	—	—	—	—	6 16 0	0 11 3	7 7 3
—	—	40	—	—	—	—	3 16 0	0 4 6	4 0 6
—	—	53	4	—	—	—	4 13 0	0 4 6	4 17 6
—	—	40	4	1	—	1	4 13 0	0 11 3	5 4 3
—	—	—	—	—	—	—	Nil.	0 2 3	0 2 3
—	—	58	1	1	—	1	6 0 0	0 9 0	6 9 0
—	—	6	—	—	—	—	0 7 0	0 2 3	0 9 3
—	—	25	2	—	—	—	3 0 0	0 4 6	3 4 6
—	—	18	—	—	—	—	1 6 0	0 2 3	1 8 3
—	—	20	—	—	—	—	2 13 0	0 4 6	2 17 6
—	—	28	1	—	—	—	3 1 0	0 4 6	3 5 6
—	—	76	1	—	—	—	6 8 0	0 11 3	6 19 3
—	—	37	—	—	—	—	4 7 0	0 9 0	4 16 0
—	—	3	—	—	—	—	0 5 0	0 4 6	0 9 6
—	—	20	1	—	—	—	2 10 0	0 2 3	2 12 3
—	—	73	3	—	1	1	6 14 0	1 11 6	8 5 6
—	—	13	—	—	—	—	1 8 0	0 6 9	1 14 9
2	—	182	—	—	—	—	13 11 0	0 18 0	14 9 0
—	—	19	1	—	—	—	1 10 0	0 9 0	1 19 0
2	—	77	—	—	—	—	7 3 0	0 11 3	7 14 3
—	—	11	—	—	—	—	1 4 0	0 6 9	1 10 9
—	—	28	—	—	—	—	3 2 0	0 2 3	3 4 3
—	—	24	—	—	—	—	2 14 0	0 4 6	2 18 6
—	—	16	4	—	1	—	1 11 0	0 15 9	2 6 9
—	—	20	—	—	—	—	3 4 0	0 2 3	3 6 3
—	—	17	2	—	—	—	1 4 0	0 4 6	1 8 6
—	—	31	2	—	—	—	3 5 0	0 6 9	3 11 9
—	—	69	—	—	—	—	6 10 0	0 11 3	7 1 3
—	—	35	2	—	—	—	4 7 0	0 6 9	4 13 9
2	—	66	4	1	—	1	7 8 0	1 12 4	9 0 4
—	—	5	—	—	—	—	0 6 0	Nil.	0 6 0
—	—	86	1	—	—	—	8 9 0	4 3 3	12 12 3
—	—	128	6	1	1	2	11 19 0	1 13 9	13 12 9
—	—	24	—	—	—	—	3 2 0	0 9 0	3 11 0
2	1	203	12	3	2	5	19 19 0	3 18 9	23 17 9
—	—	74	—	—	—	—	6 19 0	0 15 9	7 14 9
—	—	36	—	—	—	—	4 1 0	0 9 0	4 10 0
—	—	31	—	—	—	—	3 8 0	0 6 9	3 14 9
—	—	136	12	3	2	5	14 12 0	5 18 7	20 10 7

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined. 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Leeds	St. Philip's School	168	110	25	20	8
"	St. Simon's National School	140	91	47	20	8
"	St. Thomas' Boys' National School.	30	20	11	6	1
Leicester	Great Meeting Schools	510	201	76	71	9
"	St. John's National School	90	56	30	6	2
"	St. Martin's National School	70	46	18	11	4
Leigh (Lancashire)	National School	32	20	10	7	3
Leiston	National School	140	72	40	9	1
Lenton	National School	169	36	20	9	1
Levens	Church of England School	56	9	4	4	1
Lewes	National School	70	54	25	12	5
Lickey	National School	30	31	12	6	1
Limerick	St. Mary's Convent School	106	98	33	34	9
"	Presentation Convent School	41	28	9	8	2
Lincoln	Central National School	260	135	30	13	2
"	Miss Cookson's School	117	83	24	15	3
"	North District School	110	79	38	10	2
"	Practising School	95	54	26	8	1
Linlithgow	Kirk Sessional School	71	33	13	12	3
Little Drayton	National School	48	36	14	6	2
Little Holbeck	Marshall's Factory School	408	307	125	41	4
Little London	St. Matthew's School	167	64	26	28	4
Liverpool	Blue Coat Hospital School	250	141	19	34	4
"	Cranmer Wesleyan School	52	46	24	11	3
"	Harrington British School	350	241	93	49	17
"	Hibernian British School	250	110	58	16	5
"	Hope Street British School	340	296	93	77	29
"	Mount Pleasant British School.	200	116	61	22	9
"	St. Bride's National School	70	47	19	14	3
"	St. James' National School	90	57	33	13	2
"	St. Saviour's National School	294	244	103	57	14
"	St. Silas' National School	70	50	21	6	1
"	Windsor Street Wesleyan School.	146	146	50	63	16
Llandaff	Deaf and Dumb School	20	18	3	3	2
"	National School	43	42	16	11	3
Llandegai	National School	82	59	19	25	7
Llanelly	Copper Works School	200	161	43	45	8
"	National School	54	42	10	6	1
Llanfaircaereinion	British School	38	21	4	15	2
Llangeler	National School	90	71	17	18	5
Llangollen	National School	30	19	5	9	5
Lonnhead	Sessional School	65	43	15	10	7
Lochee	St. Margaret's School	23	15	3	4	4
Longridge	Boys' National School	80	70	25	9	4
Lossiemouth	Free Church School	12	11	2	4	3
Loughor	National School	86	52	10	15	23
Louth	Boys' British School	78	37	9	11	5
"	National School	54	41	17	14	6
Lowton	St. Mary's National School	40	30	15	7	1
Lullington	British School	20	13	9	1	1
Lurgan	Model School	200	82	33	26	7
Lymington	National School	50	38	12	22	1
Macclesfield	Christ Church School	350	233	117	32	12
"	Modern Free School	120	66	17	32	8
"	St. Paul's School	40	35	10	10	5
Madeley	National School	165	128	50	23	2
Madeley Wood	Wesleyan School	120	50	15	17	1
Maidenhead	Wesleyan Boys' Schoool	78	64	20	7	3
"	Wesleyan Girls' School	75	45	12	5	2
Manchester	Cathedral School	36	30	7	13	4
"	Chancery Lane Wesleyan School.	90	67	25	26	5
"	Cheetham Hill Jews' School	80	60	32	11	5

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.			Cost of Prizes and Examples.			Total.		
							£	*s.*	*d.*	£	*s.*	*d.*	£	*s.*	*d.*
—	—	62	2	1	—	1	6	17	0	0	18	0	7	15	0
—	—	75	2	—	—	—	6	11	0	4	7	11	10	18	11
—	—	18	—	—	—	—	1	6	0	0	2	3	1	8	3
—	—	156	10	4	—	4	15	5	0	1	0	3	16	5	3
—	—	38	4	1	—	1	3	18	0	0	4	6	4	2	6
—	—	23	—	—	—	—	3	12	0	0	9	0	4	1	0
—	—	20	—	—	—	—	2	13	0	0	6	9	2	19	9
—	—	50	—	—	—	—	4	1	0	0	2	3	4	3	3
—	—	30	2	—	—	—	3	1	0	0	2	3	3	3	3
—	—	9	—	—	—	—	0	15	0	1	4	6	1	19	6
—	—	42	2	2	—	2	5	4	0	0	11	3	5	15	3
—	—	19	1	—	—	—	1	7	0	0	2	3	1	9	3
—	—	76	13	2	—	2	8	8	0	3	19	1	12	7	1
—	—	19	6	—	—	—	2	11	0	3	11	5	6	2	5
—	—	45	—	—	—	—	4	2	0	0	4	6	4	6	6
—	—	42	—	—	—	—	4	3	0	0	6	9	4	9	9
—	—	48	—	—	—	—	4	2	0	0	4	6	4	6	6
—	—	35	—	—	—	—	3	5	0	0	2	3	3	7	3
—	—	28	2	—	—	—	3	6	0	0	6	9	3	12	9
—	—	22	—	—	—	—	2	12	0	0	4	6	2	16	6
—	—	170	12	—	4	4	14	9	0	2	5	0	16	14	0
1	—	58	2	1	—	—	5	14	0	0	9	0	6	3	0
—	—	77	—	—	—	—	7	19	0	0	9	0	8	8	0
—	—	38	5	1	—	1	4	5	0	0	6	9	4	11	9
1	—	160	4	—	1	1	13	17	0	2	7	3	16	4	3
—	—	79	1	—	—	—	6	5	0	0	11	3	6	16	3
3	2	204	3	2	1	3	20	19	0	3	12	0	24	11	0
—	—	92	—	—	—	—	7	12	0	1	0	3	8	12	3
—	—	36	—	—	—	—	3	16	0	0	6	9	4	2	9
—	—	48	—	—	—	—	4	5	0	0	4	6	4	9	6
—	—	174	—	—	—	—	13	19	0	1	11	6	15	10	6
—	—	28	—	—	—	—	2	16	0	0	2	3	2	18	3
—	—	129	4	1	—	1	12	4	0	1	16	0	14	0	0
—	—	8	—	—	—	—	0	15	0	2	10	0	3	5	0
—	—	30	1	—	—	—	3	7	0	0	6	9	3	13	9
—	—	51	1	—	—	—	5	10	0	0	15	9	6	5	9
—	1	97	7	1	2	3	10	12	0	2	5	0	12	17	0
—	—	17	—	—	—	—	1	5	0	0	2	3	1	7	3
—	—	21	—	—	—	—	3	0	0	0	4	6	3	4	6
—	1	41	2	—	1	1	5	3	0	1	9	3	6	12	3
—	—	19	—	—	—	—	1	18	0	0	11	3	2	9	3
—	—	32	5	1	—	—	3	16	0	0	15	9	4	11	9
—	—	4	2	—	—	—	0	8	0	0	9	0	0	17	0
—	—	38	—	—	—	—	3	15	0	0	9	0	4	4	0
—	—	9	1	1	—	1	1	9	0	0	6	9	1	15	9
—	—	48	5	—	3	3	7	19	0	7	13	7	15	12	7
—	—	20	1	—	—	—	2	13	0	0	11	3	3	4	3
1	—	38	5	1	—	1	4	18	0	0	13	6	5	11	6
—	—	23	—	—	—	—	2	12	0	0	2	3	2	14	3
—	—	11	—	—	—	—	0	14	0	0	2	3	0	16	3
—	—	66	—	—	—	—	6	6	0	0	15	9	7	1	9
—	—	85	—	—	—	—	3	19	0	0	2	3	4	1	3
3	1	165	8	3	2	5	15	7	0	2	14	0	18	1	0
—	—	57	—	—	—	—	6	5	0	0	18	0	7	3	0
—	—	25	1	—	—	—	3	5	0	4	4	8	7	9	8
2	—	77	3	—	—	—	6	12	0	0	4	6	6	16	6
—	—	33	—	—	—	—	3	12	0	0	2	3	3	14	3
—	—	30	—	—	—	—	3	3	0	0	6	9	3	9	9
—	—	19	—	—	—	—	1	8	0	0	4	6	1	12	6
—	—	24	1	1	—	1	3	15	0	0	9	0	4	4	0
—	—	56	9	1	2	3	7	2	0	1	9	3	8	11	3
—	—	48	4	1	1	2	4	9	0	1	0	3	5	9	3

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined. 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Manchester - -	Cheetham Hill Wesleyan School.	50	29	4	19	2
" - -	Granby Row National School	114	55	26	11	2
" - -	Lancasterian School - -	500	209	80	41	5
" - -	Mayfield British School -	140	63	28	9	4
" - -	Mill Street Presbyterian School.	99	40	22	8	8
" - -	Brunswick Wesleyan School, Pendleton.	130	50	29	14	4
" - -	Rooden Lane British School -	33	26	8	10	3
" - -	St. John Baptist School, Hulme.	70	31	13	8	3
" - -	St. Mark's School - -	65	40	7	24	6
" - -	St. Matthew's School, Ardwick.	60	50	27	8	2
" - -	St. Patrick's School - -	80	40	10	21	4
Mansfield - -	St. John's National School -	50	40	12	6	2
Margate - - -	British School - - -	51	20	9	6	2
Market Harborough	British School - - -	36	30	14	5	3
"	National School - -	40	40	17	16	5
Marlborough - -	St. Peter's School - -	62	57	20	19	6
Maryculter - -	Free Church School - -	29	26	10	9	2
Maryhill, (near Glasgow).	Parish School - - -	37	16	6	9	1
Maryport - - -	National School - -	70	50	7	25	7
Masham - - -	National School - -	30	24	6	2	2
Melksham - -	British School - - -	40	26	9	11	1
Mells - - -	Church of England School -	70	65	17	14	6
Merthyr Tydvil -	St. David's National School -	385	231	69	83	21
Metropolitan:—	Baldwin's Gardens National School.	180	118	51	32	6
" -	Balham Church of England School.	32	30	6	20	4
" -	Battersea Christ Church Sch.	160	124	40	27	8
" -	Battersea Sir Walter St. John's School.	160	110	45	30	7
" -	Battersea Rise Royal Freemasons' School.	55	42	9	19	9
" -	Bethnal Green Birkbeck School.	245	121	39	35	12
" -	" British School.	110	108	44	53	6
" -	" Church Row National School.	174	126	43	37	10
" -	Borough, Mrs. Newcomen's School.	92	90	36	22	12
" -	Borough Road Model School -	300	271	125	39	15
" -	Bow, Coborn School - -	250	225	94	47	10
" -	Brentford British School -	96	71	32	28	10
" -	Brick Lane Domestic Mission School.	60	59	33	12	3
" -	Brixton Hill Boys' British School.	36	26	10	10	2
" -	Brompton Holy Trinity National School.	109	75	34	17	5
" -	Camberwell, Crawford Street British School.	90	80	35	34	7
" -	Camberwell, Christ Church School.	100	47	15	6	7
" -	Camden Town Park Chapel School.	70	40	4	14	14
" -	Canning Town, Barking Road, Wesleyan School.	80	38	19	10	3
" -	Cannon Street Road Middlesex Society's School.	60	56	25	7	1
" -	Clapham Parochial School -	138	64	29	16	4
" -	Clapton, London Orphan Asylum.	309	300	121	8	52

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	25	2	—	—	—	3 8 0	0 4 6	3 12 6
—	—	39	—	—	—	—	3 14 0	0 4 6	3 18 6
—	—	126	6	—	—	—	9 17 0	0 11 3	10 8 3
—	—	41	2	—	—	—	3 18 0	0 9 0	4 7 0
—	—	38	4	—	—	—	4 2 0	0 18 0	5 0 0
—	—	47	5	1	—	1	5 0 0	0 9 0	5 9 0
—	—	21	2	1	—	1	3 7 0	0 6 9	3 13 9
—	—	24	4	1	1	2	3 15 0	0 15 9	4 10 9
—	—	—	5	—	—	—	Nil.	0 13 6	0 13 6
—	—	37	—	—	—	—	3 9 0	0 4 6	3 13 6
—	—	35	—	—	—	—	4 4 0	0 9 0	4 13 0
—	—	20	—	—	—	—	2 10 0	0 4 6	2 14 6
—	—	17	1	—	1	1	1 17 0	0 13 6	2 10 6
—	—	22	—	—	—	—	2 13 0	1 7 2	4 0 2
—	—	38	—	—	—	—	3 4 0	0 11 3	3 15 3
—	—	45	1	1	—	1	5 6 0	0 13 6	5 19 6
—	—	21	—	—	—	—	2 14 0	0 4 6	2 18 6
—	—	16	3	2	—	—	1 7 0	0 2 3	1 9 3
—	—	39	—	—	—	—	4 18 0	0 15 9	5 13 9
—	—	10	—	—	—	—	0 16 0	1 15 5	2 11 5
—	—	21	—	—	—	—	2 14 0	1 10 8	4 4 8
—	—	37	—	—	—	—	4 3 0	0 13 6	4 16 6
—	—	178	9	4	—	4	18 14 0	2 7 3	21 1 3
—	—	89	4	1	—	1	8 3 0	0 13 6	8 16 6
—	—	30	—	—	—	—	3 18 0	0 9 0	4 7 0
—	—	75	4	1	1	2	7 18 0	1 7 0	9 5 0
—	—	82	—	—	—	—	7 6 0	3 12 9	10 18 9
—	—	37	2	1	1	2	5 14 0	1 9 3	7 3 3
1	—	87	—	—	—	—	8 10 0	1 7 0	9 17 0
—	—	103	—	—	—	—	9 8 0	0 13 6	10 1 6
—	—	90	—	—	—	—	8 7 0	1 2 6	9 9 6
—	—	70	7	1	1	2	7 16 0	2 5 0	10 1 0
1	—	180	7	4	—	4	15 8 0	6 8 1	21 16 1
2	—	153	8	7	—	7	15 18 0	4 5 6	20 3 6
—	—	70	—	—	—	—	6 18 0	5 13 9	12 11 9
—	—	48	4	3	—	3	6 16 0	1 5 10	8 1 10
—	—	22	—	—	—	—	2 16 0	0 4 6	3 0 6
—	—	48	1	—	—	—	4 10 0	0 11 3	5 1 3
—	—	76	3	1	1	2	9 4 0	3 15 3	12 19 3
—	—	28	—	—	—	—	3 8 0	0 15 9	4 3 9
—	—	—	2	1	—	—	Nil.	1 11 6	1 11 6
—	—	32	—	—	—	—	3 8 0	0 6 9	3 14 9
—	—	33	2	—	—	—	3 2 0	0 2 3	3 4 3
—	—	40	—	—	—	—	4 13 0	0 9 0	5 2 0
4	3	188	—	—	—	—	25 10 0	13 7 0	38 17 0

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined. 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Metropolitan—*cont.*	Deptford Road National School.	250	154	62	12	1
"	Finchley, North End, Congregational School.	60	26	4	15	7
"	Foundling Hospital School	97	93	46	11	6
"	Fulham All Saints' School	130	115	37	17	3
"	Gordon Square, All Saints' School.	30	23	5	7	1
"	Gray's Inn Road Home and Colonial Schools, and Middle Class School.	201	181	74	47	8
"	Hackney Road, Gascoigne Place, British School.	36	33	9	13	4
"	Hampstead, Rosslyn Hill School.	49	37	16	5	1
"	Harp Alley British Schools	55	37	11	17	3
"	Haverstock Hill Orphan School.	198	193	30	93	58
"	Heston National School	68	45	10	12	3
"	Highbury Hill Park Wesleyan School.	110	86	41	28	4
"	Hornsey British School	45	45	16	18	6
"	Hornsey (South), Milton Road Day School.	300	178	52	24	9
"	Islington All Saints' National School.	300	91	41	22	7
"	Islington Holy Trinity School	61	41	21	11	5
"	Kentish Town Gospel Oak School.	450	306	103	67	14
"	Kingsland Birkbeck Schools	400	324	157	88	25
"	Knightsbridge All Saints' National School.	47	38	18	5	2
"	Lambeth British School	190	129	42	26	7
"	Lambeth, Ragged School	269	132	51	11	5
"	Lambeth Hercules Buildings' Boys' School.	413	141	61	43	11
"	Lambeth Holy Trinity School	54	32	9	15	5
"	Lambeth Wesleyan Day School.	80	72	21	15	2
"	Lower Islington Public School	210	79	24	24	17
"	Little Titchfield Street Portland British Boys' School.	130	45	11	27	4
"	Little Titchfield Street Portland British Girls' School.	25	8	5	2	1
"	Marylebone Central National School.	180	114	41	40	23
"	Marylebone Christ Church School.	200	201	62	10	3
"	Marylebone Eastern School	220	193	77	24	9
"	Marylebone Hampden Gurney's School.	261	202	70	58	13
"	Marylebone Portman Chapel School.	156	117	57	35	11
"	Marylebone Western National School.	200	180	57	32	7
"	Mayfair, Curzon School	100	80	25	17	3
"	Millwall Institute Presbyterian School.	40	27	11	4	1
"	Newington Trinity School	50	42	11	16	10
"	Notting Hill Horbury British School.	200	125	45	27	11
"	Notting Hill Tabernacle School.	315	248	75	44	25
"	Old Kent Road British School	100	87	42	20	8
"	Peckham Wesleyan School	100	92	30	28	9
"	Poplar Wesleyan School (Hale Street).	150	107	54	27	2

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	75	5	—	—	—	5 9 0	0 2 3	5 11 3
—	—	26	8	4	4	8	7 15 0	2 11 9	10 6 9
1	—	64	—	—	—	—	5 11 0	0 13 6	6 4 6
—	—	57	3	1	1	2	6 0 0	0 15 9	6 15 9
—	—	—	—	—	—	—	Nil.	0 2 3	0 2 3
2	—	131	15	6	—	6	13 17 0	6 19 0	20 16 0
—	—	26	4	—	2	2	4 7 0	1 7 0	5 14 0
—	—	22	—	—	—	—	2 9 0	0 2 3	2 11 3
—	—	31	—	—	—	—	3 14 9	0 6 9	4 0 9
2	5	188	1	—	1	1	22 15 0	9 4 6	31 19 6
—	—	25	1	—	—	—	3 3 0	2 15 1	5 18 1
—	—	73	3	—	—	—	6 9 0	0 9 0	6 18 0
—	—	40	1	3	—	3	6 0 0	0 13 6	6 13 6
—	—	85	3	2	—	2	8 7 0	1 0 3	9 7 3
—	—	70	—	—	—	—	6 6 0	0 15 9	7 1 9
—	—	37	2	—	—	—	3 18 0	0 11 3	4 9 3
4	1	189	3	2	1	3	17 14 0	2 9 6	20 3 6
—	1	271	—	—	—	—	21 13 0	3 5 3	24 18 3
—	—	25	—	—	—	—	2 14 0	0 4 6	2 18 6
1	—	76	3	—	—	—	7 0 0	0 15 9	7 15 9
—	—	67	1	—	—	—	5 8 0	0 11 3	5 19 3
—	—	115	5	—	—	—	10 0 0	1 4 9	11 4 9
—	—	29	2	1	—	1	4 4 0	0 11 3	4 15 3
—	—	38	—	—	—	—	3 17 0	0 4 6	4 1 6
3	2	70	—	—	—	—	8 8 0	2 16 3	11 4 3
—	—	42	2	—	1	1	5 7 0	5 5 8	10 12 8
—	—	8	3	—	—	—	0 12 0	0 2 3	0 14 3
—	—	104	—	—	—	—	10 10 0	8 15 9	19 5 9
—	—	84	5	1	—	1	7 5 0	0 6 9	7 11 9
—	—	110	—	—	—	—	8 12 0	1 0 3	9 12 3
1	1	149	11	—	—	—	14 1 0	1 18 3	15 19 3
3	—	106	3	2	—	2	10 15 0	3 12 11	14 7 11
—	—	96	—	—	—	—	8 2 0	0 15 9	8 17 9
—	—	45	—	—	—	—	4 8 0	2 13 5	7 1 5
—	—	16	—	—	—	—	1 2 0	0 2 3	1 4 3
—	—	37	2	—	1	1	5 3 0	3 2 9	8 5 9
—	—	83	2	1	1	2	8 12 0	4 4 7	12 16 7
—	—	144	5	2	1	3	14 8 0	3 5 3	17 13 3
—	—	70	2	—	—	—	6 6 0	0 18 0	7 4 0
—	—	67	—	—	—	—	6 13 0	1 0 3	7 13 3
—	—	83	—	—	—	—	6 14 0	0 4 6	6 18 6

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined. 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Metropolitan—*cont.*	Poplar and Blackwall Free British School.	150	119	58	45	8
"	Raneigh Road Wesleyan School.	175	87	44	21	4
"	Regent Square Church National School.	77	44	25	11	3
"	St. Alban's, Holborn, National School.	12	11	5	5	1
"	St. Andrew's, Holborn, National School.	145	116	35	22	3
"	St. Andrew's, Lambeth, National School.	102	71	23	35	9
"	St. Barnabas, Pimlico, Parochial School.	36	21	9	9	2
"	St. Bartholomew National School, Islington.	90	11	3	4	1
"	St. Clement's National School, Barnsbury.	90	80	37	15	4
"	St. George's-in-the-East Wesleyan Centenary Chapel School.	56	41	9	14	5
"	St. George the Martyr Parochial School, Theobald's Road.	120	83	30	25	7
"	St. Giles in the Fields National School.	258	166	82	31	8
"	St. James the Less National School, Bethnal Green.	120	100	23	61	13
"	St. James' Boys' School, Curtain Road.	38	36	10	11	4
"	St. James' National School, Clapham.	100	42	15	17	5
"	St. James' National School, Paddington.	120	66	34	26	6
"	St. James' British School, Burrage Town, Plumstead.	90	38	7	21	3
"	St. James' National School, Spa Road, Bermondsey.	80	59	37	17	3
"	St. James' Offertory School, Swallow Street.	97	92	38	14	3
"	St. James' Boys' School, Marshall Street, Golden Square.	310	258	66	23	8
"	St. James' Girls' School, Marshall Street, Golden Square.	88	83	24	10	1
"	St. John's National School, Angell Town.	30	15	3	8	3
"	St. John's National School, Battersea.	90	36	7	17	8
"	St. John's National School, Deptford.	42	34	7	19	6
"	St. John's National School, Limehouse.	100	90	41	24	7
"	St. John's Boys' School, Stratford.	210	62	35	15	6
"	St. John the Evangelist National School, Tottenham Court Road.	102	92	50	14	5
"	St. John's National School, Upper Holloway.	60	38	19	16	3
"	St. Jude's National School, Southwark.	60	32	10	10	5
"	St. Luke's Parochial School, Chelsea.	320	241	102	53	14
"	St. Luke's National School, Nutford Place.	100	82	36	10	2
"	St. Luke's Church of England School, Paddington.	120	90	39	17	5

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	111	—	—	—	—	9 12 0	0 18 0	10 10 0
—	—	69	1	1	—	1	6 8 0	0 9 0	6 17 0
—	—	39	—	—	—	—	3 16 0	0 6 9	4 2 9
—	—	11	2	2	—	2	1 18 0	0 2 3	2 0 3
—	—	—	—	—	—	—	5 8 0	0 6 9	5 14 9
—	—	67	—	—	—	—	7 0 0	1 0 3	8 0 3
—	—	20	—	—	—	—	2 13 0	0 4 6	2 17 6
—	—	8	—	—	—	—	0 14 0	0 2 3	0 16 3
—	—	56	3	—	1	1	5 9 0	0 18 0	6 7 0
—	—	28	1	—	—	—	3 12 0	0 11 3	4 3 3
—	—	62	—	—	—	—	6 1 0	1 15 4	7 16 4
—	—	121	—	—	—	—	9 13 0	0 18 0	10 11 0
—	—	97	—	—	—	—	10 4 0	6 5 4	16 9 4
—	—	25	—	—	—	—	3 4 0	0 9 0	3 13 0
1	—	38	3	—	—	—	4 9 0	0 11 3	5 0 3
—	—	66	7	1	—	1	6 11 0	6 3 0	12 17 0
—	—	31	3	2	—	2	4 18 0	2 1 3	6 19 3
—	—	57	—	—	—	—	5 0 0	0 6 9	5 6 9
—	—	55	—	—	—	—	4 15 0	0 6 9	5 1 9
1	1	99	2	—	—	—	8 6 0	1 7 0	9 13 0
—	—	35	1	—	—	—	3 7 0	0 2 3	3 9 3
—	—	14	—	—	—	—	1 8 0	0 6 9	1 14 9
—	—	32	—	—	—	—	4 5 0	0 18 0	5 3 0
—	—	32	2	1	—	1	4 13 0	0 13 6	5 6 6
—	—	72	—	—	—	—	6 10 0	7 19 0	14 9 0
—	—	56	—	—	—	—	5 3 0	0 13 6	5 16 6
—	—	69	—	—	—	—	5 13 0	0 11 3	6 4 3
—	—	37	4	1	—	1	4 8 0	0 6 9	4 14 9
—	—	25	1	—	—	—	3 5 0	0 11 3	3 16 3
—	—	109	5	2	—	2	14 10 0	1 11 6	16 1 6
—	—	48	—	—	—	—	4 2 0	0 4 6	4 6 6
—	—	61	—	—	—	—	5 8 0	0 11 3	5 19 3

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined. 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Metropolitan—*cont.*	St. Mark's College Middle School, Chelsea.	60	44	11	25	9
"	St. Mark's National School, North Audley Street.	28	28	8	7	1
"	St. Mark's, Old Street Road	53	53	24	20	2
"	St. Martin's National School, Adelaide Place.	175	137	62	17	4
"	St. Martin's North District National School, Castle Street.	170	121	48	23	5
"	St. Mary's Parochial School, Islington.	60	62	28	13	2
"	St. Mary-the-Less School, Lambeth.	46	30	21	6	1
"	St. Mary's National School, Newington Butts.	250	215	107	39	18
"	St. Mary's School, Tothill Fields.	320	163	64	37	8
"	St. Matthew's National School, Lion St., New Kent Road.	140	79	34	14	4
"	St. Michael's National School, Bromley.	200	121	63	33	8
"	St. Michael's National School, Pimlico.	250	155	49	58	16
"	St. Pancras Christ Church School.	124	117	47	17	1
"	St. Pancras Holy Trinity National School.	69	70	37	24	4
"	St. Pancras National School, Lancing Street.	50	39	14	17	4
"	St. Paul's Parochial School, Knightsbridge.	58	36	16	16	2
"	St. Paul's National School, Stepney.	160	115	43	27	19
"	St. Peter's Higher National School, Vauxhall.	88	56	32	15	5
"	St. Peter's Lower National School, Vauxhall.	64	39	21	7	3
"	St. Philip's National School, Stepney.	85	61	26	13	7
"	St. Saviour's National School, Poplar.	120	49	25	18	5
"	St. Stephen's Boys' National School, Westminster.	160	142	36	39	10
"	St. Stephen's Girls' National School, Westminster.	136	126	57	31	9
"	St. Thomas', Charterhouse National School.	406	434	176	78	16
"	St. Thomas's Square School, Hackney.	170	106	44	25	12
"	St. Thomas's School, Islington.	80	50	19	26	4
"	St. Thomas's National School, Portman Square.	180	144	75	24	4
"	St. Thomas's National School, Waterloo Road.	80	45	26	7	3
"	Shoreditch Mintern Street Wesleyan School.	240	154	81	46	10
"	Somers Town British School	450	172	88	25	9
"	Southampton Buildings, Birkbeck School.	152	111	40	26	9
"	South Hackney Parochial School.	70	49	18	18	2
"	South Islington and Pentonville British School.	90	74	27	38	4
"	Southwark Maze Pond British School.	80	74	37	13	5

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	45	—	—	—	—	4 10 0	1 0 3	5 10 3
—	—	16	—	—	—	—	2 5 0	0 2 3	2 7 3
—	—	46	3	—	—	—	4 10 0	0 4 6	4 14 6
—	—	83	1	1	—	1	6 18 0	0 9 0	7 7 0
—	—	76	1	—	—	—	6 9 0	0 11 3	7 0 3
—	—	48	3	—	—	—	4 0 0	0 4 6	4 4 6
—	—	28	4	1	—	1	3 6 0	0 2 3	3 8 3
1	—	165	—	—	—	—	13 4 0	2 0 6	15 4 6
—	—	109	4	—	—	—	9 2 0	0 18 0	10 0 0
—	—	52	1	1	—	1	5 4 0	0 9 0	5 13 0
—	—	104	3	1	—	1	9 3 0	0 18 0	10 1 0
1	4	128	2	1	—	1	13 8 0	3 12 0	17 0 0
—	—	65	—	—	—	—	5 4 0	0 2 3	5 6 3
—	—	65	6	—	—	—	5 17 0	0 9 0	6 6 0
—	—	35	—	—	—	—	4 0 0	0 9 0	4 9 0
—	—	34	—	—	—	—	3 14 0	0 4 6	3 18 6
1	—	90	—	—	—	—	8 19 0	2 2 9	11 1 9
—	—	52	—	—	—	—	4 17 0	0 11 3	5 8 3
—	—	31	4	3	—	3	5 14 0	0 6 9	6 0 9
—	—	46	—	—	—	—	4 13 0	0 15 9	5 8 9
—	—	48	2	1	—	—	4 16 0	0 11 3	5 7 3
1	—	77	—	—	—	—	7 11 0	1 19 8	9 10 8
1	—	98	10	—	—	—	8 11 0	1 0 3	9 11 3
—	—	270	4	1	—	1	20 10 0	1 16 0	22 6 0
1	2	84	—	—	—	—	8 5 0	2 5 0	10 10 0
—	—	49	3	—	—	—	5 3 0	0 9 0	5 12 0
—	—	103	1	—	—	—	7 15 0	0 9 0	8 4 0
—	—	36	—	—	—	—	3 9 0	0 6 9	3 15 9
1	1	139	10	3	1	4	13 13 0	2 0 6	15 13 6
—	—	122	—	—	—	—	9 5 0	1 0 3	10 5 3
—	—	84	—	—	—	—	7 8 0	1 0 3	8 8 3
—	—	38	—	—	—	—	4 0 0	0 4 6	4 4 6
—	—	69	—	—	—	—	6 15 0	0 9 0	7 4 0
—	—	55	1	—	—	—	4 18 0	0 11 3	5 9 3

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined. 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Metropolitan—*cont.*	Southwark Chapel Wesleyan Schools.	200	54	13	14	8
"	Stepney, Colet National School.	230	153	61	15	5
"	Stepney Green Red Coat School.	350	184	82	33	15
"	Stoke Newington British School.	68	48	15	20	3
"	Stratford, Great Eastern Railway's School.	265	202	71	31	10
"	Vauxhall Bridge Road Holy Trinity School.	50	39	19	14	2
"	Wapping Wesleyan School	150	80	38	6	1
"	West Metropolitan Jewish Boys' School.	72	71	14	16	7
"	West Metropolitan Jewish Girls' School.	86	57	9	22	6
"	Westminster Congregational School.	120	59	28	14	5
"	Westminster Christ Church School.	100	77	36	8	3
"	Westminster Wesleyan Senior Boys' School.	200	133	52	64	7
"	Westminster Wesleyan Practising Boys' Model School.	120	82	26	22	6
"	Westminster Wesleyan Practising Girls' Model School.	200	130	62	31	6
"	Woolwich National School	90	73	25	35	7
"	Woolwich Western Mission School.	180	61	27	6	1
Middlesborough	St. John's Schools	25	20	8	8	1
Middleton	National School	143	79	36	18	4
Milborne Port	British School	50	25	7	12	2
Millom	Parochial School	33	28	11	10	2
Morley	St. Peter's National School	97	60	12	10	2
Much Wenlock	National School	110	84	40	15	8
Nairn	Free Church School	48	40	16	16	6
"	General Assembly's School	29	22	12	3	1
Nantwich	Wesleyan School	32	27	16	6	2
Netherton	National School	185	124	46	24	7
Newark-on-Trent	Christ Church School	36	32	12	13	6
"	Wesleyan School	20	8	3	3	2
New Brighton	St. James' National School	60	44	12	11	7
New Brompton	St. Mark's National School	35	29	8	12	4
Newcastle-under-Lyme.	British School	30	25	15	4	2
"	Middle School	70	48	18	7	4
"	National School	90	31	15	11	1
"	Orme's English School	150	144	39	43	19
Newcastle-on-Tyne	Christ Church School	110	100	41	14	5
"	Church of the Unity British School.	41	27	13	9	2
"	Clarence Street Wesleyan School.	89	71	31	18	7
"	Clergy Jubilee School	50	30	17	5	3
"	Northern Counties Deaf and Dumb School.	70	38	12	11	2
"	Jubilee Boys' British School	300	170	73	26	1
"	Orphan House Wesleyan School.	330	240	100	57	22
"	St. Mary's National School	100	42	16	15	1
"	St. Nicholas' Boys' National School.	136	122	55	23	4
"	St. Nicholas' Girls' National School.	98	65	13	6	4
"	St. Thomas' National School	160	133	56	40	15
Newhaven	National School	125	80	20	4	1

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	35	8	4	2	—	4 5 0	1 16 0	6 1 0
—	—	81	1	—	—	—	6 6 0	0 11 3	6 17 3
—	1	131	5	—	1	1	11 8 0	8 15 2	20 3 2
—	—	38	—	—	—	—	4 4 0	1 6 4	5 10 4
—	1	113	1	1	—	1	9 18 0	1 11 6	11 9 6
—	—	35	—	—	—	—	3 13 0	0 4 6	3 17 6
—	—	45	1	—	—	—	3 13 0	0 2 3	3 15 3
1	—	38	—	—	—	—	4 12 0	0 15 9	5 7 9
1	—	38	1	—	—	—	4 16 0	0 13 6	5 9 6
—	—	47	—	—	—	—	4 11 0	0 11 3	5 2 3
—	—	47	1	—	—	—	4 1 0	3 14 11	7 15 11
—	—	123	—	—	—	—	11 1 0	0 15 9	11 16 9
—	—	54	2	—	—	—	5 8 0	0 13 6	6 1 6
—	—	99	3	—	—	—	8 2 0	0 13 6	8 15 6
—	—	67	4	—	—	—	6 16 0	0 15 9	7 11 9
—	—	34	1	—	—	—	3 2 0	0 17 11	3 19 11
—	—	17	—	—	—	—	1 7 0	0 2 3	1 9 3
—	—	58	1	—	—	—	5 4 0	0 9 0	5 13 0
—	—	21	1	—	1	1	3 7 0	0 13 6	4 0 6
—	—	23	—	—	—	—	2 17 0	0 4 6	3 1 6
—	—	24	1	—	—	—	2 18 0	0 4 6	3 2 6
—	—	63	2	—	1	1	6 4 0	1 7 0	7 11 0
—	—	38	3	—	—	—	4 6 0	0 13 6	4 19 6
—	—	16	1	1	—	1	1 11 0	0 2 3	1 13 3
—	—	24	1	1	—	1	3 4 0	0 4 6	3 8 6
—	—	77	2	—	—	—	6 15 0	0 15 9	7 10 9
—	—	31	3	—	—	—	3 16 0	0 13 6	4 9 6
—	—	8	2	—	—	—	0 15 0	0 4 6	0 19 6
—	—	30	—	—	—	—	3 15 0	0 15 9	4 10 9
—	—	24	—	—	—	—	3 4 0	0 9 0	3 13 0
—	—	21	2	—	—	—	2 9 0	0 4 6	2 13 6
2	—	31	—	—	—	—	3 14 0	0 9 0	4 3 0
—	—	27	—	—	—	—	3 0 0	0 2 3	3 2 3
3	6	110	—	—	—	—	12 7 0	4 16 9	17 3 9
—	—	60	3	1	1	2	6 4 0	1 0 3	7 4 3
—	—	15	—	—	—	—	2 0 0	0 4 6	2 4 6
—	—	56	2	1	—	1	5 18 0	0 15 9	6 13 9
—	—	25	—	—	—	—	2 16 0	0 6 9	3 2 9
—	—	24	3	1	—	1	3 10 0	0 4 6	3 14 6
—	—	100	4	1	—	1	7 18 0	0 2 3	8 0 3
—	—	179	9	2	—	2	16 10 0	2 9 6	18 19 6
—	—	32	—	—	—	—	3 9 0	0 2 3	3 11 3
—	—	82	2	1	1	2	8 3 0	0 18 0	9 1 0
—	—	23	6	—	—	—	2 17 0	6 9 0	3 6 0
—	—	111	—	—	—	—	10 1 0	1 13 9	11 14 9
—	—	25	2	—	—	—	2 11 0	0 2 3	2 13 3

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined. 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Newlyn	Wesleyan School	110	63	23	18	4
Newport (Fife)	Free Church School	40	27	11	9	5
Newport (Isle of Wight).	National School	138	62	24	26	5
Newport Pagnell	British School	41	26	2	17	7
Newport-on-Usk	National School	136	101	32	10	4
New Swindon	Great Western Railway School	385	156	68	38	13
Newton Heath	All Saints' School, No. 1	40	31	8	6	—
New Wortley	Parish Church School	120	86	26	18	5
"	Zion British School	120	96	40	10	4
Northampton	All Saints' National School	26	17	3	13	5
North Molton	National School	—	—	—	—	—
North Shields	Kettlewell's Endowed School	40	45	15	23	3
Northwood (Isle of Wight).	Parochial School	9	8	2	4	2
Northwood (Stoke-on-Trent).	National School	200	110	34	13	4
Norton in the Moors.	National School	42	36	15	13	3
Norwich	Boys' Model School	180	114	53	44	7
"	British School	50	32	18	8	3
"	Lancasterian School	90	46	21	13	5
"	Presbyterian Charity School	130	113	36	47	19
"	St. Peter's Mancroft School	120	61	21	29	5
"	St. Stephen's National School	100	53	20	21	6
Nottingham	Blue Coat School	73	72	10	37	21
"	High Pavement British School	365	326	100	134	51
"	People's College Schools	233	216	40	84	50
"	Trinity School	351	210	98	54	14
Oldbury	Messrs. Chance's School	240	146	67	32	3
"	National School	180	100	37	10	2
"	Wesleyan Day School	230	103	45	23	6
Oldham	Wesleyan School	100	80	39	28	4
Old Hill	Wesleyan New Connexion Day School.	60	29	13	1	1
Oldswinford	National and Endowed School	100	67	10	24	5
Oswaldtwistle	Busk School	50	31	16	7	4
"	Wesleyan School	120	41	12	20	3
Oxford	Headington Quarry School	17	13	4	5	1
"	Wesleyan School	200	184	77	31	7
Padiham	Wesleyan Day School	56	24	5	14	5
Paisley	Abbey School	120	90	20	19	11
"	Carbrook Street Sessional School.	50	43	18	13	6
"	Causeyside Sessional School	70	56	16	22	9
"	George Street Sessional School.	81	84	21	40	11
"	Inkerman Works School	60	50	15	12	5
"	John Neilson's School	230	196	57	97	21
"	Ragged and Industrial School	55	42	17	12	1
"	Sneddon Sessional School	70	45	26	13	4
Parkgate	Free Church School	36	24	6	3	—
Paston	Mixed National School	60	44	16	14	2
Pavenham	Church of England School	24	15	2	7	3
Pelsall	Wesley Schools	80	56	21	15	4
Pendeen	National School	50	50	15	28	5
Penkhull	National School	70	45	21	13	3
Penrith	National School	50	30	13	9	3
"	Lazonby National School	11	10	6	3	1
"	Wesleyan School	80	74	28	10	4
Penryn	Wesleyan School	35	17	3	11	2
Pensnett	British School	120	70	29	23	8
"	National School	118	78	45	13	4
Penzance	National School	112	70	28	18	4
Perth	Wesleyan School	180	96	38	23	8
	East Church Parish Congregational School.	75	27	6	10	4

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	45	2	1	—	1	5 1 0	0 9 0	5 10 0
—	—	24	2	—	—	—	3 2 0	0 11 3	3 13 3
—	—	55	5	2	2	4	7 11 0	4 3 0	11 14 0
—	—	26	—	—	—	—	3 17 0	0 15 9	4 12 9
—	—	46	1	—	—	—	4 4 0	3 2 8	7 6 8
—	—	119	—	—	—	—	10 3 0	1 9 3	11 12 3
—	—	14	—	—	—	—	1 0 0	Nil.	1 0 0
—	—	49	1	1	—	1	5 7 0	0 11 3	5 18 3
—	—	63	5	1	—	1	5 11 0	0 9 0	6 0 0
—	—	9	—	—	—	—	1 3 0	0 11 3	1 14 3
—	—	—	1	—	1	—	Nil.	0 9 0	0 9 0
—	—	41	—	—	—	—	4 10 0	2 6 9	6 16 9
—	—	8	1	—	1	1	1 6 0	0 13 6	1 19 6
—	—	51	3	2	—	2	5 12 0	0 9 0	6 1 0
1	—	32	—	—	—	—	3 15 0	0 6 9	4 1 9
—	—	104	8	2	2	4	11 2 0	1 13 9	12 15 9
—	—	29	—	—	—	—	3 3 0	0 6 9	3 9 9
—	—	39	—	—	—	—	4 2 0	0 11 3	4 13 3
3	—	105	—	—	—	—	11 2 0	2 2 9	13 4 9
—	—	55	—	—	—	—	5 14 0	0 11 3	6 5 3
—	—	47	10	2	1	3	6 10 0	1 2 6	7 12 6
—	—	68	—	—	—	—	8 7 0	2 7 3	10 14 3
1	1	287	—	1	—	—	27 11 0	6 3 9	33 14 9
2	—	185	2	2	1	3	22 15 0	9 15 9	32 10 9
1	—	167	12	5	4	9	18 13 0	3 7 6	22 0 6
—	—	102	—	—	—	—	8 0 0	0 6 9	8 6 9
—	—	49	—	—	—	—	4 3 0	0 4 6	4 7 6
—	—	74	3	1	1	2	7 9 0	1 2 6	8 11 6
—	—	71	—	—	—	—	6 7 0	0 9 0	6 16 0
—	—	15	1	—	1	1	1 8 0	0 11 3	1 19 3
—	—	48	—	—	—	—	5 2 0	0 11 3	5 13 3
—	—	27	—	—	—	—	3 2 0	0 9 0	3 11 0
—	—	28	2	1	—	—	3 8 0	0 6 9	3 14 9
—	—	10	—	—	—	—	0 17 0	0 2 3	0 19 3
—	—	115	6	1	—	1	9 10 0	6 9 1	15 19 1
—	—	24	—	—	—	—	3 8 0	0 11 3	3 19 3
—	—	50	3	1	2	3	7 11 0	2 2 9	9 13 9
—	—	37	2	—	—	—	4 2 0	0 13 6	4 15 6
—	—	47	3	3	—	3	6 17 0	1 0 3	7 17 3
—	4	76	5	2	2	4	11 4 0	3 18 9	15 2 9
1	—	33	2	2	—	2	4 19 0	0 11 3	5 10 3
1	2	178	—	—	—	—	17 9 0	3 5 3	20 14 3
—	—	30	—	—	—	—	3 4 0	0 2 3	3 6 3
—	—	43	—	—	—	—	4 4 0	0 9 0	4 13 0
—	—	9	2	—	—	—	0 12 0	Nil.	0 12 0
—	—	32	1	—	—	—	3 10 0	0 4 6	3 14 6
—	—	11	1	—	1	—	1 2 0	0 13 6	1 15 6
—	—	40	2	2	—	2	5 3 0	0 9 0	5 12 0
—	—	48	—	—	—	—	5 6 0	0 11 3	5 17 3
—	—	—	—	—	—	—	Nil.	0 6 9	0 6 9
—	—	25	1	1	—	1	3 10 0	0 6 9	3 16 9
—	—	10	—	—	—	—	0 15 0	0 2 3	0 17 3
—	—	42	1	1	—	1	4 10 0	2 7 7	6 17 7
—	—	16	3	—	1	1	2 11 0	0 13 6	3 4 6
—	—	60	2	—	2	2	7 9 0	9 16 5	17 5 5
—	—	62	—	—	—	—	5 3 0	1 16 5	6 19 5
—	—	50	2	1	—	1	5 6 0	0 9 0	5 15 0
—	—	69	—	—	—	—	6 8 0	0 18 0	7 6 0
—	—	20	2	—	1	1	3 8 0	0 18 0	4 6 0

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined. 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Perth	Kinnoull Parish School	165	63	6	46	9
"	Middle Parish School	35	18	2	12	1
"	Sharp's Educational Institution.	200	160	37	102	16
"	Stewart's Free Trade Schools	72	63	20	23	8
"	West Parish Sessional School	58	33	3	20	10
Peterborough	St. Peter's Practising School	80	55	27	10	1
Pilkington	British School	65	42	13	17	4
Pillgwenlly	Trinity National School	60	50	14	11	1
"	Wesleyan School	66	58	33	14	3
Plymouth	Charles' National School	334	92	24	41	11
"	George Street Sessional School	130	118	46	54	8
"	Public Free School	700	585	233	180	29
"	St. Andrew's Chapel National School.	84	65	24	5	1
"	St. Andrew's National School	200	104	40	18	10
Pool (Redruth)	Bassett School	100	77	22	16	6
"	Wesleyan School	82	58	25	7	4
Poolhill	Coalbrookdale Company's School.	300	236	90	31	11
Poolstock	Church of England School	120	90	34	20	5
Portlogan	Portlogan School	26	24	11	6	—
Portmadoc	National School	18	15	5	6	4
Portsea	Beneficial Society's School	120	55	28	12	4
Portwood	Wesleyan School	40	31	2	20	8
Prestatyn	National School	35	24	7	5	1
Presteign	British School	55	41	18	7	1
Preston	All Saints' School	300	256	62	40	8
"	Central National School	110	97	42	10	3
"	Christ Church School	115	73	24	11	3
"	Wesleyan School (Croft Street)	116	65	34	11	4
"	Grimshaw Street School	80	74	25	32	12
"	Holy Trinity School	60	25	5	3	1
"	Moor Park Wesleyan School	100	61	14	6	3
"	St. James' National School	293	200	72	24	6
"	St. Mary's National School	300	184	75	24	8
"	St. Paul's National School	358	311	153	43	13
"	St. Peter's National School	240	172	55	16	5
"	St. Thomas' National School	500	329	155	72	11
Preston Kirk	Free Church School	35	30	11	11	4
Prestwich	National School	62	44	13	25	4
Quinton	National School	68	49	22	12	3
Ramsgate	Holy Trinity School	24	19	9	4	1
Rathvilly	Disraeli's School	56	25	4	10	5
Reading	Blue Coat School	42	41	22	14	3
"	British School	260	110	47	29	8
"	St. Giles' National School	56	42	18	6	2
Reddish	Albert British School	44	30	10	6	2
Redditch	National School	120	50	18	24	5
Redruth	National School	50	20	6	7	4
Reigate	St. Mark's School	20	12	4	7	1
Richmond (Yorkshire).	Reeth Wesleyan Day School	60	32	17	4	1
Ringwood	British School	50	41	23	11	4
Ripley (Derby)	National School	60	40	17	7	1
Rochdale	Clover Street School	39	21	6	5	2
"	Parish Church School	201	83	46	28	4
"	Wesleyan Day School	56	41	13	13	1
Rossett	National School	50	45	24	3	1
Rotherham	Wesleyan School	70	70	34	18	4
Rotherham and Masborough.	British School	93	72	37	16	3
Rough Lee	British School	17	10	4	4	—
Rowley Regis	National School	106	76	32	6	1
Royton	Wesleyan School	51	41	28	8	4
Rugeley	National School	30	22	8	6	4
Runcorn	Wesleyan School	120	17	9	7	1

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	61	4	2	—	2	8 5 0	5 2 7	13 7 7
—	—	15	3	2	1	3	2 19 0	0 11 3	3 10 3
1	—	156	—	—	—	—	15 14 0	4 6 8	20 0 8
—	2	53	1	—	—	—	6 0 0	1 16 0	7 16 0
—	—	24	7	2	2	—	3 12 0	2 0 6	5 12 6
—	—	38	2	—	—	—	3 10 0	2 4 10	5 14 10
—	—	34	—	—	—	—	3 19 0	0 9 0	4 8 0
—	—	26	1	1	—	1	2 19 0	0 2 3	3 1 3
—	—	50	3	1	—	1	4 10 0	2 14 10	7 4 10
—	1	77	5	—	5	5	10 14 0	3 18 9	14 12 9
1	—	109	—	—	—	—	10 3 0	0 18 0	11 1 0
—	—	442	—	—	—	—	35 15 0	3 5 3	39 0 3
—	—	30	—	—	—	—	2 17 0	0 2 3	2 19 3
—	—	68	3	—	1	1	6 16 0	3 16 8	10 12 8
—	—	44	1	—	1	1	5 2 0	1 2 6	6 4 6
—	—	36	—	—	—	—	3 11 0	0 9 0	4 0 0
1	—	133	—	—	—	—	10 10 0	1 4 9	11 14 9
—	—	59	2	1	—	1	5 19 0	0 11 3	6 10 3
—	—	17	1	—	—	—	1 3 0	Nil.	1 3 0
—	—	15	—	—	—	—	1 9 0	0 9 0	1 18 0
—	—	44	3	1	2	3	6 14 0	1 7 0	8 1 0
—	—	30	2	2	—	2	5 6 0	0 18 0	6 4 0
—	—	13	—	—	—	—	1 0 0	0 2 3	1 2 3
—	—	26	—	—	—	—	2 15 0	0 2 3	2 17 3
1	5	116	2	—	2	2	11 16 0	4 1 0	15 17 0
—	—	55	2	1	1	2	6 1 0	0 15 9	6 16 9
1	—	39	2	—	—	—	4 0 0	0 6 9	4 6 9
—	—	49	—	—	—	—	4 8 0	0 9 0	4 17 0
—	—	69	—	—	—	—	7 5 0	1 7 0	8 12 0
—	—	8	—	—	—	—	0 11 0	0 2 3	0 13 3
—	—	23	—	—	—	—	2 15 0	0 6 9	3 1 9
3	5	110	1	—	1	1	10 8 0	3 — 6	13 15 6
—	—	107	3	—	2	2	9 7 0	1 16 0	11 3 0
—	—	209	3	2	—	2	15 18 0	1 9 3	17 7 3
2	—	78	3	2	—	2	7 2 0	0 11 3	7 13 3
2	1	241	3	1	1	2	19 7 0	2 2 9	21 9 9
1	—	27	2	1	1	2	4 10 0	0 18 0	5 8 0
—	—	42	2	—	—	—	4 15 0	2 19 9	7 14 9
—	—	37	—	—	—	—	3 15 0	0 6 9	4 1 9
—	—	14	—	—	—	—	1 0 0	0 2 3	1 2 3
—	—	19	—	—	—	—	1 19 0	0 11 3	2 10 3
—	—	39	—	—	—	—	3 19 0	0 6 9	4 5 9
—	—	84	4	1	—	1	7 19 0	0 18 0	8 17 0
—	—	26	1	1	—	1	3 6 0	0 4 6	3 10 6
—	—	18	1	1	—	1	1 18 0	0 4 6	2 2 6
—	—	47	2	—	—	—	5 1 0	0 11 3	5 12 3
—	—	12	1	—	—	—	1 3 0	0 9 0	1 12 0
—	—	12	—	—	—	—	1 1 0	0 2 3	1 3 3
—	—	22	2	—	1	1	2 18 0	0 11 3	3 9 3
—	—	38	—	—	—	—	3 17 0	0 9 0	4 6 0
—	—	25	—	—	—	—	2 14 0	0 2 3	2 16 3
—	—	13	—	—	—	—	1 2 0	2 5 10	3 7 10
—	—	78	5	1	2	3	8 14 0	1 7 0	10 1 0
—	—	27	7	1	—	—	2 2 0	0 2 3	2 4 3
—	—	23	1	—	—	—	2 13 0	0 2 3	2 15 3
—	—	56	2	—	—	—	5 2 0	0 9 0	5 11 0
—	—	56	—	—	—	—	4 18 0	1 2 8	6 0 8
—	—	8	—	—	—	—	0 12 0	Nil.	0 12 0
—	—	39	1	—	1	1	3 17 0	0 11 3	4 8 3
—	—	40	6	—	1	1	4 6 0	0 18 0	5 4 0
—	—	18	2	—	—	—	1 12 0	0 9 0	2 1 0
—	—	17	—	—	—	—	1 6 0	0 2 3	1 8 3

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined. 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Rutherglen	Free Church School	23	20	12	4	1
St. Burian	National School	30	27	9	15	2
St. Helen's	Moorflat National School	120	24	13	5	2
St. Ives (Cornwall)	Wesleyan School	48	25	7	8	4
St. Just	Wesleyan School	73	61	23	20	9
Salford	St. Matthias' School	65	49	24	12	4
Salisbury	St. Edmund's School	75	54	19	8	1
"	Wesleyan School	60	54	11	7	9
Sancreed	National School	32	31	10	10	4
Scarborough	Wesleyan School	65	63	26	14	7
Scissett	National School	—	—	—	—	—
Seaforth	National School	23	22	7	12	2
Seamon's Moss	Endowed School	50	42	21	9	2
Seaton	British School	58	37	13	9	2
Sedbergh	British School	34	25	5	7	2
Selby	Wesleyan School	130	72	31	12	7
Sheerness	Trinity Church School	115	107	45	32	9
Sheffield	Brunswick Wesleyan School	80	40	15	18	5
"	Crooke's Endowed School	120	57	13	20	8
"	High Green British School	103	103	43	18	7
"	Lound National School	57	45	22	8	4
Shelton Granville	National School	110	64	22	29	11
Sherborne (Dorset)	Abbey National School	32	32	13	15	3
" "	British School	24	23	8	10	3
Shifnal	National School	39	31	14	10	3
Shrewsbury	Millington's Hospital School	45	33	13	14	3
Silverdale	National School	40	20	6	10	3
Silverstone	Wesleyan School	30	30	14	9	2
Slough	National School	96	47	11	8	5
Smethwick	Messrs. Chance's School	340	165	77	30	6
"	St. Matthew's School	135	113	48	20	6
"	Trinity School	190	126	45	5	4
"	Wesleyan School	80	51	23	7	6
Smaith	Wesleyan School	60	34	15	7	1
Somerleyton	British School	25	13	4	4	3
Southampton	Freemantle Church of England School.	50	43	11	9	2
"	Holy Trinity School	75	51	13	19	5
"	Royal British School	181	65	28	15	5
"	St. Luke's Newtown School	55	63	32	14	6
"	St. Mary's National School	213	114	22	53	16
"	Taunton's Endowed School	78	68	18	25	12
South Bourne and Seaside.	National School	42	38	21	11	3
South Otterington	National School	14	13	7	4	1
Southport	St. Paul's National School	50	39	26	7	2
South Shields	St. Mary's School	70	40	23	11	4
"	Union British School	152	85	54	21	6
Stapleford	St. John's National School	30	21	4	8	5
Startforth	Church of England School	10	8	3	3	1
Stirling	Allan's School	180	143	52	28	9
Stoke (Devonport)	Public School	157	129	49	44	14
Stoke-on-Trent	National School	150	111	39	40	8
Stoke Prior	National School	15	10	2	8	1
Stonehouse	Cambridge School	57	45	12	7	2
Stony Stratford	British School	48	28	10	10	3
Stourbridge	St. Thomas' National School	140	66	35	10	1
"	Wollaston Road School	46	33	14	3	1
Stratford-on-Avon	National School	60	42	8	14	8
Stretford	National School	35	12	5	5	1
Stroud	British School	130	49	26	15	4
"	National School	40	23	17	4	1
Sturminster Newton	National School	35	26	11	11	3
Sudbury	St. Gregory's and St. Peter's Schools.	28	11	1	5	3
Sunderland	Wesleyan School, Nicholson Street.	60	37	20	7	2

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	17	—	—	—	—	1 3 0	0 2 3	1 5 3
—	—	26	—	—	—	—	3 5 0	0 4 6	3 9 6
—	—	20	1	—	—	—	2 9 0	0 4 6	2 13 6
—	—	19	—	—	—	—	3 0 0	0 9 0	3 9 0
—	—	52	1	1	—	1	6 0 0	1 0 3	7 0 3
—	—	40	—	—	—	—	4 0 0	0 9 0	4 9 0
—	—	28	—	—	—	—	2 18 0	0 2 3	3 0 3
—	—	27	—	—	—	—	3 12 0	1 0 3	4 12 3
—	—	24	2	—	2	2	4 2 0	1 7 0	5 9 0
—	1	48	3	1	—	1	5 10 0	1 4 9	6 14 9
—	—	—	3	1	—	1	0 10 0	Nil.	0 10 0
—	—	21	—	—	—	—	2 17 0	0 4 6	3 1 6
—	—	32	—	—	—	—	3 5 0	0 4 6	3 9 6
—	—	24	1	—	—	—	2 17 0	0 4 6	3 1 6
—	—	14	—	—	—	—	1 5 0	0 4 6	1 9 6
—	—	50	3	—	3	3	6 6 0	2 17 1	9 3 1
—	—	86	—	—	—	—	7 16 0	1 0 3	8 16 3
—	—	33	4	—	—	—	3 16 0	0 11 3	4 7 3
1	—	47	4	—	1	1	5 17 0	1 7 0	7 4 0
—	—	68	5	1	—	1	6 10 0	0 15 9	7 5 9
—	—	34	—	—	—	—	3 10 0	0 9 0	3 19 0
—	—	62	—	—	—	—	6 13 0	1 4 9	7 17 9
—	—	31	1	—	1	1	4 2 0	2 4 0	6 6 0
—	—	21	2	—	—	—	2 17 0	0 6 9	3 3 9
—	—	27	—	—	—	—	3 3 0	0 6 9	3 9 9
2	—	32	—	—	—	—	4 0 0	0 6 9	4 6 9
—	—	19	—	—	—	—	1 15 0	0 6 9	2 1 9
—	—	25	—	—	—	—	2 18 0	0 4 6	3 2 6
—	—	24	—	—	—	—	3 2 0	0 11 3	3 13 3
1	—	114	4	—	—	—	9 0 0	0 13 6	9 13 6
—	—	74	6	—	—	—	6 6 0	0 13 6	6 19 6
—	—	54	4	—	—	—	4 7 0	0 9 0	4 16 0
—	—	36	1	—	1	—	3 15 0	1 2 6	4 17 6
—	—	23	1	1	—	1	3 2 0	0 2 3	3 4 3
—	—	11	2	—	—	—	1 1 0	0 6 9	1 7 9
1	—	23	1	1	—	—	3 0 0	0 4 6	3 4 6
—	—	37	6	2	—	2	5 6 0	0 11 3	5 17 3
—	—	48	—	—	—	—	4 13 0	0 11 3	5 4 3
—	—	52	4	1	—	1	5 18 0	0 13 6	6 11 6
1	—	92	6	2	1	3	11 11 0	2 5 0	13 16 0
2	2	59	—	—	—	—	7 4 0	2 5 0	9 9 0
—	—	35	1	1	—	1	4 2 0	0 6 9	4 8 9
—	—	12	—	—	—	—	0 18 0	0 2 3	1 0 3
1	—	30	1	—	—	—	3 11 0	0 4 6	3 15 6
—	—	38	1	1	—	1	4 7 0	0 9 0	4 16 0
—	—	—	—	—	—	—	Nil.	0 13 6	0 13 6
—	—	17	3	1	1	2	3 15 0	4 9 7	8 4 7
—	—	7	—	—	—	—	0 12 0	0 2 3	0 14 3
—	—	89	4	—	—	—	7 17 0	1 0 3	8 17 3
1	3	111	3	—	1	1	11 9 0	3 7 6	14 16 6
1	—	88	9	2	—	2	9 8 0	0 18 0	10 6 0
—	—	11	—	—	—	—	1 1 0	1 19 3	3 0 3
—	—	21	—	—	—	—	2 12 0	0 4 6	2 16 6
—	—	23	—	—	—	—	2 19 0	0 6 9	3 5 9
—	—	46	—	—	—	—	3 18 0	0 2 3	4 0 3
—	—	18	—	—	—	—	1 3 0	0 2 3	1 5 3
—	—	30	5	1	1	2	5 0 0	1 7 0	6 7 0
—	—	11	1	—	—	—	0 18 0	0 2 3	1 0 3
—	—	45	1	—	—	—	4 8 0	0 9 0	4 17 0
—	—	22	1	—	1	1	2 18 0	0 11 3	3 9 3
—	—	27	—	—	—	—	3 8 0	0 11 3	3 19 3
—	—	9	1	—	—	—	1 0 0	0 6 9	1 6 9
—	—	29	2	—	1	1	3 10 0	0 13 6	4 3 6

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined. 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Sunderland	Wesleyan School, Whitburn Street.	150	63	38	13	3
Sunninghill	Wesleyan School	40	39	13	5	2
Sutton (Macclesfield).	St. George's School	35	26	6	9	5
Sutton-on-Plym	National School	80	59	28	4	2
Swansea	British School	120	70	20	29	15
"	Kilvey Copper Works School	249	130	65	36	3
"	National School	227	196	57	56	57
"	Parochial School	143	108	17	60	28
Tavistock	British School	170	86	44	14	5
"	Duke of Bedford's School	100	85	30	13	10
"	National School	151	42	12	18	7
"	St. Mary Tavy School	40	25	12	6	—
Thatcham	National School	—	—	—	—	—
Thetford	British School	37	28	6	6	4
"	National School	45	33	15	6	2
Thorne	Brooke's Grammar School	41	34	12	11	7
Thorneyburn	Mixed National School	33	23	10	7	3
Thornliebank	Thornliebank School	48	41	22	5	1
Thrapston	Raund's School	114	54	17	8	1
Tilstone	Church of England School	44	36	12	15	6
Tipton	Great Bridge Wesleyan School	120	83	40	14	4
"	Ocker Hill National School	150	132	34	20	7
"	St. John's School	130	110	37	19	5
"	St. Martin's School	150	99	43	18	4
"	Tipton Hall School	174	110	46	18	5
"	Wesleyan School (Canal Street)	160	127	34	18	8
Tiverton	National School	26	23	12	5	2
Torpoint	National School	90	62	21	17	6
Torquay	British School	120	50	18	20	6
"	National School	70	48	22	14	2
Totton	British School	76	32	12	9	5
Trent Vale	National School	45	40	20	8	5
Troedyrhiw	National School	80	51	20	11	7
Trowbridge	Boys' British School	175	124	36	12	4
"	Parochial National School	200	150	34	11	6
Truro	British School	65	57	29	10	5
"	Fairmantle Street National School.	130	100	40	31	8
"	St. Mary's School	80	59	27	10	2
Tudhoe	Iron Works' Wesleyan School	83	73	29	4	4
Tunbridge	St. Stephen's National School	2	2	—	—	2
Tunbridge Wells	Grosvenor School	80	56	20	7	5
Twerton (near Bath)	Parochial School	90	47	13	9	3
Tysoe	National School	16	13	6	5	2
Ulverston	National School	70	50	24	13	3
Ventnor	Literary Institution School	35	33	13	17	2
Wakefield	Green Coat Charity School	72	65	28	19	5
"	Lancasterian School	141	88	47	16	7
"	Trinity National School	182	101	45	38	6
"	Wesleyan School	79	56	29	15	4
Wall	Wesleyan School	100	41	12	15	6
Walsall	Blue Coat and National Schools.	96	66	27	31	6
Wardington	National School	15	11	6	2	1
Wargrave	National School	95	63	29	14	4
Ware	British School	90	67	37	14	1
Warminster	British School	62	44	25	10	4
Warrington	British School	275	176	72	53	9
"	Orford Church of England School.	85	46	9	14	3
"	Parish Church Boys' School	180	158	62	28	4
"	Parish Church Girls' School	50	20	11	4	—
"	St. Anne's School	69	37	22	5	4
"	St. Paul's and Trinity Schools	300	209	90	51	14
Warwick	The Borough National School	40	27	19	3	2

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	54	—	—	—	—	4 13 0	0 6 9	4 19 9
—	—	20	—	—	—	—	2 9 0	0 4 6	2 13 6
—	—	14	2	—	1	—	2 9 0	1 0 3	3 9 3
—	—	34	—	—	—	—	3 2 0	0 4 6	3 6 6
—	—	64	—	—	—	—	7 3 0	1 13 9	8 16 9
—	—	104	4	1	—	1	8 16 0	0 6 9	9 2 9
3	2	175	17	6	12	18	28 5 0	12 14 3	40 19 3
—	—	105	6	1	4	5	14 11 0	4 19 0	19 10 0
—	—	63	—	—	—	—	5 7 0	0 11 3	5 18 3
—	—	53	—	—	—	—	5 6 0	1 2 6	6 8 6
—	—	37	—	—	—	—	4 9 0	0 15 9	5 4 9
—	—	18	—	—	—	—	1 4 0	Nil.	1 4 0
—	—	—	1	—	—	—	Nil.	Nil.	Nil.
—	—	16	2	—	—	—	1 10 0	0 9 0	1 19 0
—	—	23	1	1	—	1	3 3 0	0 4 6	3 7 6
—	—	30	—	—	—	—	3 15 0	0 15 9	4 10 9
—	—	20	—	—	—	—	2 13 0	0 6 9	2 19 9
—	—	28	—	—	—	—	2 15 0	2 3 1	4 18 1
—	—	26	3	1	—	1	3 6 0	0 2 3	3 8 3
—	—	33	2	2	—	2	5 0 0	0 13 6	5 13 6
1	—	59	4	1	—	1	5 15 0	0 9 0	6 4 0
2	1	64	1	—	—	—	6 10 0	1 4 9	7 14 9
—	—	61	1	—	1	1	6 0 0	1 0 3	7 0 3
—	—	65	1	—	—	—	5 11 0	0 9 0	6 0 0
—	—	69	4	1	—	1	6 7 0	0 11 3	6 18 3
—	—	60	6	2	—	2	6 14 0	0 18 0	7 12 0
—	—	19	2	1	—	1	2 18 0	0 4 6	3 2 6
—	—	44	1	—	—	—	4 13 0	0 13 6	5 6 6
1	—	45	—	—	—	—	5 1 0	0 13 6	5 14 6
—	—	38	—	—	—	—	3 16 0	0 4 6	4 0 6
—	—	26	1	1	—	—	3 5 0	0 11 3	3 16 3
—	—	33	1	—	1	1	4 1 0	1 0 3	5 1 3
—	—	38	1	—	1	1	4 13 0	1 4 9	5 17 9
—	—	52	2	—	1	1	5 2 0	0 18 0	6 0 0
1	1	53	11	1	—	1	5 14 0	1 2 6	6 16 6
2	1	47	2	—	—	—	4 19 0	1 0 3	5 19 3
1	—	80	1	—	1	1	8 1 0	1 7 0	9 8 0
—	—	39	1	—	—	—	3 13 0	0 4 6	3 17 6
—	—	37	1	—	—	—	3 9 0	0 9 0	3 18 0
—	—	2	1	1	—	—	0 6 0	0 4 6	0 10 6
—	—	32	1	1	—	1	3 19 0	0 11 3	4 10 3
—	1	26	—	—	—	—	3 5 0	0 15 3	4 0 3
—	—	13	2	1	—	1	1 12 0	0 4 6	1 16 6
—	—	40	3	—	—	—	3 19 0	0 6 9	4 5 9
—	—	32	—	—	—	—	3 13 0	0 4 6	3 17 6
—	—	52	—	—	—	—	5 1 0	1 6 7	6 7 7
—	—	70	—	—	—	—	6 0 0	0 15 9	6 15 9
—	—	89	—	—	—	—	7 19 0	0 13 6	8 12 6
—	—	48	—	—	—	—	4 11 0	0 9 0	5 0 0
1	—	34	1	1	—	1	5 5 0	0 13 6	5 18 6
—	—	64	2	1	—	1	6 17 0	0 13 6	7 10 6
—	—	9	—	—	—	—	0 13 0	0 2 3	0 15 3
—	—	47	1	1	—	1	4 19 0	0 9 0	5 8 0
—	—	52	—	—	—	—	4 8 0	0 2 3	4 10 3
—	—	39	—	—	—	—	3 17 0	0 9 0	4 6 0
4	—	138	—	—	—	—	12 5 0	1 0 3	13 5 3
—	—	26	—	—	—	—	3 6 0	0 6 9	3 12 9
—	—	96	1	—	—	—	8 0 0	0 9 0	8 9 0
2	—	—	—	—	—	—	Nil.	Nil.	Nil.
—	—	31	—	—	—	—	3 4 0	0 9 0	3 13 0
—	—	156	—	—	—	—	12 10 0	1 11 6	14 10 6
1	—	24	3	1	—	1	2 1 0	0 4 6	2 5 6

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined. 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Washington	National School	110	69	27	6	2
Waterford	Model School	182	70	26	28	7
Wearmouth	Colliery School	100	109	35	15	6
Weaste	National School	67	47	25	12	3
Wednesbury	British School	65	54	10	40	4
"	St. Bartholomew School	338	196	67	24	7
"	St. John's School	204	117	43	18	4
Wellingborough	Free School	33	7	—	3	4
Wellington (Salop)	St. George's Boys' National School.	290	215	96	20	3
" "	St. George's Girls' National School.	40	38	19	4	3
" "	Wesleyan School	50	43	16	18	4
Wellington (Somerset).	Messrs. Fox's British School	130	86	30	37	10
"	National School	30	22	13	4	1
West Bromwich	Bratt Street Wesleyan School	130	173	58	32	7
"	Messrs. Bagnall's School, Gold's Hill.	180	142	56	12	5
"	Hill Top Wesleyan School	60	47	15	21	9
"	St. Peter's School	250	114	46	20	4
West Butterwick	St. Mary's National School	30	16	2	6	2
West Cowes	National School	60	51	13	31	4
Weston (Bath)	National School	50	38	15	15	—
Weston (Warwickshire).	Reformatory School	68	41	18	16	7
Westoning	National School	50	34	11	11	3
Weston-super-Mare	National School	60	44	17	18	2
Wetherall (Carlisle)	Village School	28	28	7	8	3
Whitchurch (Salop)	Boys' National School	63	40	25	2	—
" "	Wesleyan School	35	35	10	9	1
Whittington	National School	22	14	8	4	2
Whorlton	Parochial School	30	17	6	9	2
Widnes	Parish Church School	100	92	32	27	11
Wigan	National and Blue Coat School.	100	74	39	10	2
"	St. Catherine's School	40	26	18	3	1
"	St. Mary's Roman Catholic School.	40	35	18	10	5
"	St. Thomas' Boys' National School.	167	96	37	4	—
"	St. Thomas' Girls' National School.					
Wilton	National School	70	26	13	5	—
Wisbech	Boys' School	230	98	43	33	4
"	St. Peter's School	60	30	10	11	2
Witney	Wesleyan School	255	132	26	10	2
Woburn	British School	16	16	1	13	2
Wollaston	St. James' Church of England School.	120	76	33	27	4
Wolverhampton	Wesleyan Day School, Darlington Street.	120	89	33	15	1
"	Queen Street Congregational School.	200	137	52	40	10
"	St. George's National School	100	78	28	8	1
"	St. John's National School	130	97	51	3	1
"	St. Luke's National School	120	74	34	14	3
"	St. Mark's National School	200	113	38	19	7
"	St. Paul's National School	50	35	11	3	1
"	St. Peter's National School	400	196	67	28	5
"	Holy Trinity, Wednesfield Heath.	94	68	19	14	4
Wolverton	Church of England School	34	24	9	2	1
Wooburn	Church of England School	60	41	21	12	8
Woodhill	Church of England School	28	25	12	8	1
Woodplumpton	Church of England School	70	36	20	3	3
Wootton Bassett	National School	30	21	13	4	1

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	35	—	—	—	—	3 5 0	7 18 4	11 3 4
—	—	61	10	1	3	4	8 13 0	5 18 5	14 11 5
—	—	56	5	2	—	2	5 3 0	0 13 6	5 16 6
—	—	40	—	—	—	—	3 18 0	0 6 9	4 4 9
—	—	54	—	—	—	—	6 2 0	3 0 3	9 2 3
—	—	98	—	—	—	—	7 16 0	0 15 9	8 11 9
—	—	65	—	—	—	—	5 11 0	0 9 0	6 0 0
—	—	7	—	—	—	—	0 18 0	0 9 0	1 7 0
—	—	110	6	1	—	1	8 15 0	0 6 9	9 1 9
—	—	26	4	—	1	1	3 6 0	0 15 9	4 1 9
—	—	38	1	—	—	—	4 4 0	0 6 9	4 10 9
—	—	77	4	1	1	2	8 14 0	1 11 6	10 5 6
—	—	18	3	1	—	1	1 14 0	1 2 6	2 16 6
—	—	97	7	—	1	1	8 13 0	1 4 9	9 17 9
—	—	73	1	—	—	—	5 15 0	0 11 3	6 6 3
—	—	45	1	—	—	—	5 4 0	1 0 3	6 4 3
—	—	70	1	—	1	1	6 8 0	0 18 0	7 6 0
—	—	10	1	—	—	—	1 0 0	0 4 6	1 4 6
—	—	48	3	1	—	1	5 17 0	0 9 0	6 6 0
—	—	30	—	—	—	—	3 5 0	Nil.	3 5 0
—	—	41	—	—	—	—	4 11 0	0 15 9	5 6 9
—	—	25	—	—	—	—	3 2 0	0 6 9	3 8 9
—	—	32	—	—	—	—	3 9 0	0 4 6	3 13 6
—	—	18	—	—	—	—	1 12 0	0 6 9	1 18 9
—	—	27	—	—	—	—	2 9 0	Nil.	2 9 0
—	—	20	1	—	—	—	2 11 0	0 2 3	2 13 3
—	—	14	—	—	—	—	1 2 0	1 5 3	2 7 3
—	—	17	—	—	—	—	1 10 0	0 4 6	1 14 6
—	—	70	2	1	—	1	7 9 0	2 5 9	9 14 9
—	—	51	—	—	—	—	4 5 0	0 4 6	4 9 6
—	—	22	—	—	—	—	2 7 0	0 2 3	2 9 3
—	—	33	1	1	—	1	4 3 0	0 11 3	4 14 3
—	—	41	1	—	—	—	3 5 0	Nil.	3 5 0
—	—	18	—	—	—	—	1 3 0	Nil.	1 3 0
2	1	83	5	4	—	4	9 16 0	0 18 0	10 14 0
—	—	29	—	—	—	—	3 4 0	1 18 10	5 2 10
—	—	38	—	—	—	—	3 12 0	0 4 6	3 16 6
—	—	16	—	—	—	—	1 13 0	1 7 11	3 0 11
—	—	64	—	—	—	—	5 19 0	1 4 4	7 3 4
—	—	40	—	—	—	—	4 6 0	0 2 3	4 8 3
—	—	102	—	—	—	—	9 2 0	1 2 6	10 4 6
—	—	37	—	—	—	—	3 7 0	0 2 3	3 9 3
—	—	55	—	—	—	—	4 0 0	0 2 3	4 2 3
—	—	51	—	—	—	—	4 11 0	0 6 9	4 17 9
—	—	64	—	—	—	—	5 17 0	1 19 10	7 16 10
—	—	15	2	2	—	2	2 0 0	0 2 3	2 2 3
—	—	100	6	1	—	1	8 8 0	0 11 3	8 19 3
—	—	37	—	—	—	—	3 19 0	0 9 0	4 8 0
—	—	12	—	—	—	—	0 16 0	0 2 3	0 18 3
—	—	36	—	—	—	—	3 14 0	0 6 9	4 0 9
—	—	16	1	—	—	—	2 1 0	0 2 3	2 3 3
—	—	27	—	—	—	—	3 0 0	0 6 9	3 6 9
1	—	18	2	—	—	—	1 4 0	0 2 3	1 6 3

Appendix C.

DRAWING IN SCHOOLS FOR THE POOR.

Instruction in Drawing in

Town.	Name of School.	No. of Children taught Drawing.	No. examined, 1st and 2nd Grades.	No. satisfactorily taught. 1st Grade.	No. showing proficiency. 1st Grade.	No. who excelled and obtained Prizes. 1st Grade.
Worcester	St. George's National School	97	44	24	16	—
"	St. Martin's National School	203	92	48	23	4
"	St. Peter's National School	100	47	27	11	2
Wordsley	Boys' National School	140	93	25	20	9
"	Girls' National School	50	42	17	4	2
Wotton-under-Edge	British School	140	80	33	31	11
Wraxall	Boys' School	48	35	15	4	1
Wribbenhall	British School	50	42	17	5	1
Yarmouth, Great	British School	396	160	32	75	42
"	Charity School	75	43	30	3	4
"	Gourlay Wesleyan School	25	13	2	4	—
"	St. Nicholas Boys' School	140	102	53	22	8
"	St. Nicholas Infant School	—	—	—	—	—
Yeovil	St. John's National School	60	70	38	16	7
York	Bilton Street School	175	74	32	14	6
"	Blue Coat School	70	38	7	15	15
"	Hope Street British School	500	219	66	39	12
"	Manor Boys' School	127	100	43	18	6
"	Model School	84	74	25	22	6
"	Priory Street Wesleyan School	318	261	116	43	18
"	St. George's Wesleyan School	95	87	30	16	3
"	York and Ripon Practising School.	31	25	14	3	1
Ystradgynlais	British School	110	40	6	13	14
"	National School	15	11	2	5	2
	Totals for 1869, 1094 Schools	120,028	82,451	29,576	19,724	6,123
	Totals for 1868, 778 Schools	93,743	58,721	22,272	17,433	7,295
	Totals for 1867, 568 Schools	79,411	42,804	15,405	9,073	4,007
	Totals for 1866, 500 Schools	80,084	45,520	17,896	8,323	3,050

Schools for the Poor—*continued.*

No. of Children who passed in 2nd Grade.	No. of Children who obtained Prizes in 2nd Grade.	No. of Children on whom Payments were made.	No. of Pupil-teachers examined.	No. of Pupil-teachers passed.	No. of Pupil-teachers who obtained Prizes.	No. of Pupil-teachers on whom Payments were made.	Amount of Payments made to the School on account of Drawing.	Cost of Prizes and Examples.	Total.
							£ s. d.	£ s. d.	£ s. d.
—	—	40	—	—	—	—	3 16 0	Nil.	3 16 0
—	—	75	2	—	1	1	6 16 0	0 13 0	7 14 0
—	—	40	1	—	1	1	4 5 0	0 13 6	4 18 6
—	—	54	—	—	—	—	5 12 0	1 0 3	6 12 3
—	—	23	—	—	—	—	2 14 0	0 4 6	2 15 6
2	1	78	1	—	1	1	8 13 0	2 2 0	10 15 0
—	—	20	—	—	—	—	2 6 0	0 2 3	2 8 3
—	—	23	—	—	—	—	2 10 0	0 2 3	2 12 3
3	2	154	5	1	4	5	20 3 0	7 8 6	27 11 6
—	—	37	—	—	—	—	3 8 0	0 9 0	3 17 0
—	—	6	—	—	—	—	0 10 0	Nil.	0 10 0
—	—	33	2	1	1	2	8 11 0	1 7 0	9 18 0
—	—	—	3	—	—	—	Nil.	Nil.	Nil.
—	—	61	1	1	—	1	6 11 0	2 19 7	9 0 7
—	—	52	—	—	—	—	4 18 0	0 13 6	5 11 6
—	—	37	—	—	—	—	5 2 0	1 13 9	6 15 9
2	1	109	14	4	2	6	14 0 0	2 5 0	16 5 0
—	—	67	—	—	—	—	5 17 0	0 13 6	6 10 6
3	2	58	1	—	—	—	6 12 0	1 11 6	8 3 6
9	—	179	10	5	2	7	19 6 0	2 18 6	22 4 6
—	—	49	1	—	—	—	4 11 0	0 6 9	4 17 9
—	—	18	1	—	—	—	1 3 0	0 2 3	1 5 3
—	—	33	—	—	—	—	4 14 0	1 11 6	6 5 6
—	—	9	—	—	—	—	0 18 0	0 4 6	1 2 6
214	110	55,309	1,879	481	203	607	5,082 17 0	1,203 12 11	6,286 9 11
130	78	46,702	1,280	434	246	647	4,911 10 6	1,394 1 11	6,305 11 11
—	—	29,385	1,045	274	180	464	3,081 2 0	419 7 5	3,500 9 5
—	—	29,869	954	198	142	340	2,894 13 0	609 16 8	3,504 9 8

E. P. BARTLETT,
Official Examiner.

Appendix C. EXAMINATION OF TRAINING COLLEGES.

3. RESULTS of the EXAMINATION of the DIOCESAN and other TRAINING COLLEGES for CERTIFICATES in DRAWING, in November 1869.—(TABLE B.)

Name of Training College.	Students.		Pupil-Teachers and Teachers.		No. of Candidates who obtained Prizes.	No. of Certificates granted.	Payments on Results.	Cost of Prizes and Examples.	Total.
	No. Examined.	No. Successful.	No. Examined.	No. Successful.					
I. (For Masters only.)							£ s. d.	£ s. d.	£ s. d.
Bangor (British and Foreign Sch. Society's)	32	29	2	2	10	9	13 0 0	4 18 2	17 18 2
Battersea (National Society's)	72	63	12	8	33	21	30 10 0	14 16 8	45 6 8
Borough Road (British and Foreign School Society's)	79	63	17	15	43	30	25 10 0	15 0 10	40 10 10
Carmarthen (National Society's)	13	9	2	2	7	3	3 0 0	2 16 9	5 16 9
Carnarvon (Church of England)	24	20	—	—	15	7	12 10 0	6 6 10	18 16 10
Chelsea, St. Mark's (National Society's)	69	55	16	15	33	17	16 10 0	11 16 5	28 6 5
Chester (Diocesan)	10	9	17	17	8	12	—	2 6 0	2 6 0
Culham (Oxford Diocesan)	40	28	3	1	12	4	6 10 0	5 11 2	12 1 2
Durham (Diocesan)	19	17	10	5	16	4	3 0 0	7 2 2	10 2 2
Exeter (Diocesan)	16	15	6	6	9	8	5 10 0	3 15 3	9 5 3
Hammersmith, St. Mary's (Roman Catholic)	38	34	3	3	10	4	7 0 0	1 12 11	8 12 11
Peterborough (Church of England)	36	32	5	3	16	8	11 0 0	5 18 9	16 18 9
Saltley (Worcester Diocesan)	59	53	46	30	32	27	14 10 0	12 4 2	26 14 2
Winchester (Diocesan)	32	27	9	6	14	7	6 0 0	6 7 1	12 7 1
York (York and Ripon Diocesan)	26	22	26	21	15	14	14 0 0	4 0 6	18 0 6
II. (For Mistresse only.)									
Brighton (Chichester Diocesan)	42	14	—	—	1	1	1 10 0	0 3 10	1 13 10
Bristol, Gloucester, and Oxford (Diocesan)	66	41	6	5	9	3	—	3 10 1	3 10 1
Derby (Lichfield Diocesan)	41	27	—	—	3	—	—	1 0 6	1 0 6
Durham (Diocesan)	38	18	1	1	5	1	—	1 16 4	1 16 4
Edinburgh, Lauriston House (Scottish Episcopal)	21	17	—	—	12	—	—	5 2 4	5 2 4
Gray's Inn Road, London (Home and Colonial School Society's)	151	98	3	1	20	3	5 0 0	7 19 7	12 19 7
Lincoln (Diocesan)	37	22	2	2	7	2	—	2 6 10	2 6 10
Liverpool (Rom. Cath.)	41	32	3	2	15	2	—	5 8 8	5 8 8
Norwich (Diocesan)	38	20	6	6	6	4	2 0 0	1 5 3	3 5 3
Ripon (York and Ripon Diocesan)	52	25	5	4	10	3	2 0 0	2 12 2	4 12 2
Salisbury (Diocesan)	48	32	—	—	6	2	—	2 13 10	2 13 10
Stockwell (British and Foreign Sch. Society's)	96	91	1	1	42	7	8 0 0	13 6 10	21 6 10
Truro (Exeter Diocesan)	22	12	3	3	2	2	—	0 10 0	0 10 0
Warrington (Chester Diocesan)	95	29	2	—	9	1	—	3 11 7	3 11 7
Whitelands (National Society's)	100	52	—	—	8	2	3 0 0	4 1 1	7 1 1

Results of the Examination, &c.—*cont.*

Name of Training College.	Students.		Pupil-Teachers and Teachers.		No. of Candidates who obtained Prizes.	No. of Certificates granted.	Payments on Results.	Cost of Prizes and Examples.	Total.
	No. Examined.	No. Successful.	No. Examined.	No. Successful.					
III. (For both Masters and Mistresses.)							£ s. d.	£ s. d.	£ s. d.
Cheltenham (Ch. of Eng.) { Male	41	28	12	9	14	10	4 10 0	4 19 5	9 9 5
Female	57	34	—	—	7	2	0 10 0	2 9 7	2 19 7
Edinburgh (Estab. Ch. of Scotland) { Male Female	106	72	2	1	35	5	9 0 0	14 5 3	23 5 3
Edinburgh (Free Church) { Male	41	35	6	4	25	8	11 10 0	17 11 11	35 1 11
Female	82	59	5	4	21	8	6 0 0		
Glasgow (Established Ch. of Scotland) { Male Female	104	92	8	6	45	15	17 10 0	17 1 7	34 11 7
Glasgow (Free Church) { Male Female	86	69	14	6	38	3	—	13 12 3	93 12 3
Homerton (Congregational) . . .	16	6	1	1	4	2	—	1 4 4	1 4 4
Westminster (Wesleyan) { Male	55	44	5	1	17	10	7 10 0	7 4 11	14 14 11
Female	60	36	1	—	10	—	—	3 13 6	3 13 6
Totals for 1869 . .	2,101	1,486	260	101	644	271	246 10 0	242 5 4	488 15 4
„ for 1868 . .	2,035	1,590	187	137	595	252	275 0 0	253 2 0	505 9 11
„ for 1867 . .	2,161	1,382	136	76	—	218	*—	—	—
„ for 1866 . .	2,197	1,521	113	65	—	206	—	—	—
„ for 1865 . .	2,284	1,674	45	26	—	186	—	—	—
„ for 1864 . .	2,561	1,056	23	18	—	159	—	—	—
„ for 1863 . .	2,914	1,601	31	10	—	102	—	—	—
„ for 1862 . .	2,836	1,061	27	19	—	147	—	—	—
„ for 1861 . .	2,773	1,498	40	25	—	122	—	—	—
„ for 1860 . .	2,655	1,558	66	42	—	79	—	—	—
„ for 1859 . .	2,557	1,441	226	60	—	58	—	—	—

* No payments on results of examination in drawing in Training Colleges were made previous to 1868.

E. P. BARTLETT,
Official Examiner.

Appendix C. List of Night Classes.

TABLE C.—LIST of NIGHT CLASSES for INSTRUCTION in DRAWING,

Name of Place.	Where held.	Secretary.	Teachers, and Grades of their Certificates.
Accrington -	Mechanics' Institution.	Ratcliffe, William	Brockbank, T. W. 2nd Grade
Alnwick - -	Scientific and Mechanical Institution.	Robertson, Adam, jun.	Moore, C. E. „ -
Bacup - -	Mechanics' Institution.	Hargreaves, J. H.	Sutcliffe, G. W. „ -
„ - -	Wesley Place Wesleyan School.	Hoyle, J., jun. -	Tranter, Levi „ -
Ballincollig -	Dr. Rowntree's School	Aldworth, Rev. R., St. L.	Rowntree, Alice „ -
Banbury -	British School - -	Cadbury, J. -	Owen, A. „ -
Bangor - -	National School -	Jones, Rev. C. W. F.	Rowland, J. C. 3rd Grade Williams, R. 2nd Grade
„ - -	St. Paul's Wesleyan School.	Michael, J. - -	Jones, Edward, „ -
Banton - -	Subscription School	Walker, J. - -	Forbes, R. T. „ -
Barnard Castle	Mechanics' Institution.	Monkhouse, J. -	Rideal, J. Y. „ -
Barnoldswick	Mechanics' Institution.	Livsey, J. - -	Hartley, A. „ -
Barnsley -	Mechanics' Institution.	Gration, J. - -	Brears, W. „ -
Barnstaple -	Literary and Scientific Institution.	Mackrell, Thomas	Maunder, S. G. „ -
Barrow - in - Furness.	St. George's National School.	Allen, Rev. J. -	Turner, J. „ -
Basingstoke -	National School -	Howard, Rev. W. W.	Skinner, W. „ -
Bath - -	Lyncombe, St. Mark's National School -	Shaw, Rev. W. S.	Lines, J. E. } „ - Conkley, J. }
„ - -	Widcombe National School.	Dallaway, J. -	Crofts, J. „ -
Belfast - -	Model National School	Molloy, J. - -	Smeeth, R. 3rd Grade
Berkeley -	Church of England School.	Phillips, J. G. -	Hodgson, J. J. 2nd Grade.
Bewdley -	Working Man's Institute.	Hardwick, Wm. -	Kennedy, Joseph, 3rd Grade
Bingley - -	Mechanics' Institution.	Holgate, Richard	Stephenson, M., 3rd Grade and Sharp, A., 2nd Grade
Birmingham -	All Saints' School -	Gabriel, Rev. J. B.	Ward, J. H. 2nd Grade
„ -	Bishop Ryder's School.	Burges, Rev. J. H.	Paterson, C. „ -
„ -	Bloomsbury Institute	Smith, D. - -	Smith, A. F. „ -
„ -	Cambridge Street Works School.	Torr, C. - -	Marle, S. „ -
„ -	Church of the Saviour School.	Myers, Rev. E. -	Reeves, S. „ -
„ -	Clarendon Chambers Mutual Improvement Society.	Southall, Alfred -	Wilkins, W. „ -
„ -	Edgbaston Middle Class School - -	Harris, F. - -	Petford, C. E. „ -
„ -	Frederick Street Middle Class School -	Payton, H. - -	Jackson, F. G. „ -
„ -	Lozell's Congregational Ch. School.	Jelf, J. - -	Morgan, C. „ -
„ -	New Jerusalem School.	Bragg, John -	Mundye, E. „ -
„ -	St. Barnabas National School.	Bembridge, E. -	Wareham, F. „ -
„ -	St. Clements', Nechells, National School.	Eden, Wm. - -	Rankilor, G. J. „ -
„ -	St. James' Ashted School.	White, J. - -	Betton, A. „ -
„ -	St. John's Ladywood School.	Porter, Rev. J. L.	Copham, A. „ -

aided by the SCIENCE and ART DEPARTMENT, 1869.

Number receiving Instruction in Drawing.	Number examined in Second Grade.	Number successful in Second Grade.	No. who obtained 2nd Grade Prizes.	Number of Artizans whose Works were found satisfactory.	No. who obtained 3rd Grade Prizes.	Payments made on Results of the Examinations.	Aid on account of Prizes, Examples, &c.	TOTAL AID.	Name of Place.
						£ s. d.	£ s. d.	£ s. d.	
22	8	1	—	—	—	0 10 0	—	0 10 0	Accrington.
52	42	25	12	—	—	16 12 0	8 19 11	25 11 11	Alnwick.
20	10	4	1	—	—	4 10 0	0 10 0	5 0 0	Bacup.
12	10	2	—	—	—	2 10 0	—	2 10 0	„
30	New school.					—	1 14 1	1 14 1	Ballincollig.
86	58	22	5	29	2	38 19 6	15 11 6	54 11 0	Banbury.
25	34	18	11	—	—	12 10 0	3 16 3	16 6 3	Bangor.
18	20	16	10	—	—	12 10 0	5 3 8	17 13 8	„
10	16	15	6	—	—	7 10 0	4 3 5	11 13 5	Banton.
14	16	6	3	—	—	5 0 0	2 12 3	7 12 3	Barnard Castle.
22	New school.					—	0 11 2	0 11 2	Barnoldswick.
15	12	9	5	2	1	13 4 0	2 7 3	15 11 3	Barnsley.
63	40	19	7	—	—	11 10 0	10 18 7	22 8 7	Barnstaple.
35	34	19	6	—	3	17 4 0	5 11 3½	22 15 3½	Barrow-in-Furness.
14	10	2	1	—	—	2 0 0	0 9 1	2 9 1	Basingstoke.
25	17	9	2	—	—	7 10 0	1 9 3	8 19 3	Bath.
19	15	7	2	—	—	5 10 0	0 10 6	6 0 6	„
20	21	9	2	—	1	12 2 0	1 7 1	13 9 1	Belfast.
17	New school.					—	3 10 9½	3 10 9½	Berkeley.
10	New school.					—	1 4 1	1 4 1	Bewdley.
23	New school.					—	5 3 7	5 3 7	Bingley.
57	40	16	3	4	4	19 19 6	3 9 7	23 9 1	Birmingham.
79	73	11	1	—	—	8 9 0	6 10 11¼	14 19 11¼	„
60	45	18	3	4	2	21 2 0	4 8 3	25 5 3	„
41	22	7	2	3	2	13 16 0	1 4 9	15 0 9	„
34	14	4	1	—	—	4 0 0	0 10 0	4 10 0	„
149	58	35	11	6	2	40 16 9	5 5 10	46 2 7	„
70	65	25	9	2	1	26 2 6	7 10 10	33 13 4	„
20	12	9	1	2	1	15 9 0	1 5 0	16 14 0	„
20	New school.					—	6 4 9	6 4 9	„
65	44	15	3	2	1	13 12 0	2 2 6	15 14 6	„
49	49	7	2	—	—	11 12 0	1 0 0	12 12 0	„
50	14	9	2	1	1	12 6 0	6 4 10½	18 10 10½	„
9	New school.					—	—	—	„
53	42	30	9	9	3	34 16 0	5 16 9	40 12 9	„

Appendix C.

LIST OF NIGHT CLASSES.

List of Night Classes for Instruction

Name of Place.	Where held.	Secretary.	Teachers, and Grades of their Certificates.
Birmingham	St. Luke's Boys' School.	Dale, Rev. F. S.	Done, E. 2nd Grade
"	St. Mark's Boys' School.	Thwaites, Rev. H. G.	Buckley, H. C. "
"	St. Mary's School, Bath Street.	Edward, J. R.	Betton, A. "
"	St. Mary's School, (Selly Oak).	Elliott, H. A.	Humphreys, W. "
"	St. Matthias' School	Jacombs, Wm. H.	Bulpitt, W. T. "
"	Severn Street British School.	Cadbury, J.	Davis, J. B. "
Blackburn	St. John's School	Brandwood, R.	Duckett, Winifred "
Blyth	National School	Greenwell, Rev. W.	Wallace, J. "
Bolton	Mechanics' Institution.	Dakeyne, J.	Mitchell, A. "
Bradford	Great Horton National School.	Ward, William	Waite, Mrs. "
Braintree and Bocking.	Literary and Mechanics' Institution.	Eve, E. B.	Gossling, B. T. "
Bredbury	St. Mark's School	Hartley, T.	Lea, Joseph "
Brighouse	National School	Yates, D.	Holland, T. "
Bristol	Bedminster British School.	Rider, Isaac	Whippey, J. "
"	Diocesan Trade School	Wilkson, John	Richards, J. "
"	Friends Boys' British School.	Fry, A.	Clements, F. "
"	Langton Street Wesleyan School.	Harris, S. J.	Kernick, R. "
"	North Street Wesleyan School.	Budgett, W. H.	Mawbey, H. "
"	Redcross Street British School.	Charleton, R.	Read, F. T. "
"	Redland, Highbury British School.	Williams, J.	Chard, J. "
Buckingham	National School	Waters, H.	Heel, E. "
Burnley	C'urch of England Literary Association.	Briggs, B. W.	Grant, W. L. "
"	Mechanics' Institution.	Sutherland, J.	Shore, T. W. "
Camborne	National School	Reynolds, J. F.	Keast, A. "
Chatham	New Brompton, St. Mark's School.	Bridger, John	Byatt, H. "
"	St. Mary's School	Wilkins, T.	Byatt, H. "
Cheltenham	Parish Church School	Dennett, Rev. J.	Brown, J. "
"	St. John's School	Hodson, Lieut.-Col.	Platt, S. "
"	Whitworth Science School.	Dixon, R. J.	Winters, E. S. "
"	Working Man's Club	Dugdale, Wm.	Winters, E. S. "
"	Young Men's Christian Assocsation.	Page, James	Winters, E. S. "
Chepstow	National School	Arnold, Rev. W.	Lloyd, J. "
Chesterfield	National School	Calder, F.	Francis. E. "
Chorley	Heapey National School.	Busfield, Rev. T. R.	Gardner, J. "
Clay Cross	Public Hall and Institute.	Halliday, T.	Francis, E. "
Collingham	Public Room	Turton, E.	Taylor, E. R. 3rd Grade
Coseley	Christ Church School	Batchellor, Rev. C.	Reynolds, T. 2nd Grade
Coventry	St. Peter's School	Tabberer, Rev. G.	Bates, J. "
Crewe	Mechanics' Institution.	Jackson, J. A.	Butterworth, T. "
Deddington	Elementary School of Art.	McColl, J.	Owen, A. "
Derby	Orchard St. British School.	Roe, Thos., junior	Crowther, W. } 2nd Grade Longman, W. T. }

in Drawing, &c.—*cont.*

Number receiving Instruction in Drawing.	Number examined in Second Grade.	Number successful in Second Grade.	No. who obtained 2nd Grade Prizes.	Number of Artizans whose Works were found satisfactory.	No. who obtained 3rd Grade Prizes.	Payments made on Results of the Examinations.	Aid on account of Prizes, Examples, &c.	TOTAL AID.	Name of Place.
						£ s. d.	£ s. d.	£ s. d.	
60	42	9	1	1	—	9 1 0	1 10 3	10 11 3	Birmingham.
47	37	14	3	4	—	16 12 0	1 3 10	17 15 10	„
11		New school.				—	—	—	„
36	22	6	1	—	—	7 0 0	0 10 0	7 10 0	„
12	9	5	—	3	—	8 2 0	—	8 2 0	„
130	68	31	4	13	—	28 2 0	1 18 2	30 0 2	„
5		New school.				—	1 16 8	1 16 8	Blackburn.
45	31	21	10	—	—	13 10 0	1 19 9	15 9 9	Blyth.
27		New school.				—	—	—	Bolton.
15		New school.				—	0 5 11	0 5 11	Bradford.
21		New school.				—	2 16 4	2 16 4	Braintree and Booking.
*		Not examined in 1869.				—	—	—	Bredbury.
*		New school.				—	—	—	Brighouse.
32	13	3	1	—	—	7 17 0	0 12 0	8 9 0	Bristol.
135	90	55	26	27	2	56 17 0	13 16 9½	70 13 9½	„
30		New school.				—	4 3 3	4 3 3	„
18	11	3	1	1	—	7 9 0	0 8 2	7 17 2	„
68	70	29	11	11	1	48 13 0	4 16 6	53 9 6	„
58	50	29	6	4	1	29 10 0	5 14 5½	35 4 5½	„
24	17	15	4	—	2	19 16 0	4 6 6½	24 2 6½	„
20	18	4	1	—	—	6 0 0	0 3 10	6 3 10	Buckingham.
35		New school.				—	—	—	Burnley.
59	35	24	5	2	—	17 13 0	1 9 0	19 2 0	„
17		New school.				—	—	—	Camborne.
37	15	2	1	—	—	5 13 0	0 3 10	5 16 10	Chatham.
77	43	24	10	2	—	20 9 0	3 18 9	24 7 9	„
45	23	8	1	1	—	16 14 0	4 14 7	21 8 7	Cheltenham.
24	16	6	2	2	2	7 19 6	4 12 6½	12 12 0½	„
16	13	7	1	—	—	7 0 0	0 9 1	7 9 1	„
26	12	4	1	4	1	9 8 0	0 18 0	10 6 0	„
20		New school.				—	—	—	„
20		New school.				—	3 0 5	3 0 5	Chepstow.
20		New school.				—	7 2 10	7 2 10	Chesterfield.
9	4	4	1	—	—	2 0 0	0 5 3	2 5 3	Chorley.
60		New school.				—	9 18 6	9 18 6	Clay Cross.
18		New school.				—	6 19 4½	6 19 4½	Collingham.
39		New school.				—	—	—	Coseley.
20	13	6	1	1	—	7 10 0	0 10 6	8 0 0	Coventry.
46	31	15	3	1	2	15 1 0	3 14 5	18 15 5	Crewe.
10	6	1	1	2	—	6 3 0	0 3 10	6 6 10	Deddington.
25	11	6	—	—	—	5 0 0	—	5 0 0	Derby.

* Not reported.

Appendix C.

LIST OF NIGHT CLASSES.

List of Night Classes for Instruction

Name of Place.	Where held.	Secretary.	Teachers, and Grades of their Certificates.
Derby	St. Andrew's School	Collett, Rev. E.	Sutherland, G. 2nd Grade
Doncaster	British School	Parkinson, W. L.	Lewis, G. A. } Inchbold, W. } „
„	Great Northern Railway Company's School.	Fisher, Rev. G. C.	Bramton, Z. H. „
„	St. George's National School.	Patch, Rev. J. T.	Constable, J. „
Dublin	Central Model National School.	Butler, E.	Smeeth, J. F. 3rd Grade
Dudley	Bluecoat School	Brettell, Thomas	Williams, Josh. and Jas. } 2nd Grade
„	St. James', Eve Hill, School.	Dennison, M.	Atkins, J. „
„	Holly Hall Schools	Cochrane, C.	Crompton, A. „
„	St. John's, Kate's Hill, School.	Nootl, Rev. E. H. L.	Spencer, P. „
„	Mechanics' Institution.	Hollier, E.	Williams, J. „
Dunfermline	High School	Shearer, J.	Tough, I. „
Dunkeld	Royal School	Wilson, Rev. J. C.	Hodge, W. „
Eastington	National School	Vine, Rev. Francis T.	Goulding, F. } Wilcox, E. } „
Elland	Art and Science Classes.	Kaye, U.	Stopford, W. H. 3rd Grade
Erith	National School	Desbois, D.	Stanton, C. } Byatt, H. } 2nd Grade
Ettingshall	Church Schools	Legg, W.	Jordan, A. „
Falkirk	Parish School	Begg, Rev. W.	Wright, P. „
Falmouth	Royal Polytechnic Society.	Hooper, Wm.	Handley, R. „
Farnley	Iron Company's Night School.	Armitage, W. J.	Gill, E. R. „
Farnworth	Wesleyan School	Petley, Rev. J. W.	Faulkner, Josh. „
Faversham	The Institution	Johnston, S. G.	Paul, A. „
Glasgow	Cathcart School Art Class.	McLean, W. L. E.	Wilson, G. W. „
„	Maxwell Sessional School.	Moffatt, A.	McNeil, A. „
Greenock	Old Town Hall	Mackenzie, A.	Yuill, W. „
Halifax	Haley Hill School	Gibb, George	Aves, J. J. „
Halstead	Literary Mechanics' Institution.	Hughes, R. L.	Yerbury, W. „
Handsworth	St. Michael's School	Mordaunt, Rev. Osbert.	Bulpitt, W. T. „
Haslingden	The Institute	Binns, J.	Shore, T. W. „
Hitchin	St. Mary's National School.	Hensley, Rev. L.	Baldrey, W. „
Hoddesdon	National School	Morice, Rev. R. W.	Pink, W. T. „
Holbeck	Mechanics' Institution.	Nichols, J. jun.	Winpenny, J. „
Holbeck and New Wortley.	Mechanics' Institution.	Guy, J.	Archer, G. „
Huddersfield	Mechanics' Institution.	Bate, J.	Sykes, P. 3rd Grade
„	St. Patrick's Roman Catholic School.	Wells, Rev. S. L.	Carroll, J. 2nd Grade
Hunslet	Mechanics' Institution.	Nicholson, J. C.	Griffiths, T. „
Keighley	Mechanics' Institution.	Smith, Swire	Stevenson, A. 3rd Grade
Kew	Instructional Institute.	Nott, Col.	Rice, W. 2nd Grade
Kidderminster.	New Meeting Night School.	Talbot, W.	Cooper, A. „

in Drawing, &c.—*cont.*

Number receiving Instruction in Drawing.	Number examined in Second Grade.	Number successful in Second Grade.	No. who obtained 2nd Grade Prizes.	Number of Artizans whose Works were found satisfactory.	No. who obtained 3rd Grade Prizes.	Payments made on Results of the Examinations.	Aid on account of Prizes, Examples, &c.	TOTAL AID.	Name of Place.
						£ s. d.	£ s. d.	£ s. d.	
24	16	4	—	2	—	8 15 0	2 15 9	11 10 9	Derby.
30	New school.					—	1 2 11	1 2 11	Doncaster.
36	32	17	3	8	2	25 16 0	5 1 0	30 17 0	„
21	13	11	5	7	—	18 6 6	1 14 4	20 0 10	„
117	89	46	16	15	2	62 5 0	7 15 10	70 0 10	Dublin.
23	New school.					—	—	—	Dudley.
24	19	7	1	5	—	15 5 0	0 10 0	15 15 0	„
105	83	35	5	20	3	60 12 0	2 19 1	63 11 1	„
25	New school.					—	—	—	„
37	23	12	3	7	—	18 13 0	1 5 3	19 18 3	„
19	14	11	1	—	—	7 10 0	0 10 0	8 0 0	Dunfermline.
12	New school.					—	2 1 9	2 1 9	Dunkeld.
13	10	8	3	—	—	6 10 0	4 13 4½	11 3 4½	Eastington.
26	24	6	1	4	—	14 1 0	0 3 10	14 4 10	Elland.
17	New school.					—	—	—	Erith.
19	14	6	1	—	—	7 14 0	0 10 0	8 4 0	Ettingshall.
27	30	16	3	5	2	20 8 0	2 3 7	22 11 7	Falkirk.
21	18	11	2	5	—	14 19 0	0 15 3	15 14 3	Falmouth.
10	8	3	1	—	—	—	0 17 8	0 17 8	Farnley.
50	33	11	3	3	—	—	1 11 1	1 11 1	Farnworth.
58	82	52	16	1	1	21 14 0	7 9 11½	29 3 11½	Faversham.
30	New school.					—	5 19 1½	5 19 1½	Glasgow.
35	New school.					—	5 16 3	5 16 3	„
117	32	19	6	4	3	22 13 0	5 11 10½	28 4 10½	Greenock.
24	13	8	—	5	—	13 17 0	—	13 17 0	Halifax.
14	New school.					—	3 12 10	3 12 10	Halstead.
20	New school.					—	—	—	Handsworth.
12	5	2	—	1	—	2 1 0	—	2 1 0	Haslingden.
20	12	6	2	1	—	6 8 8	0 13 10	7 2 6	Hitchin.
17	12	5	1	—	—	4 10 0	0 19 3	5 9 3	Hoddesdon.
24	11	6	1	4	1	10 19 0	0 16 0	11 15 0	Holbeck.
20	New school.					—	—	—	Holbeck and New Wortley.
130	52	30	10	2	1	31 14 6	17 9 0½	49 3 6½	Huddersfield.
25	12	—	—	—	—	2 0 0	—	2 0 0	„
12	10	3	—	—	—	3 0 0	—	3 0 0	Hunslet.
*	66	43	9	21	8	52 16 0	7 11 9	60 7 9	Keighley.
24	New school.					—	6 12 5	6 12 5	Kew.
26	14	8	1	—	—	4 0 0	0 10 0	4 10 0	Kidderminster.

* Not reported.

Appendix C.

LIST OF NIGHT CLASSES.

List of Night Classes for Instruction

Name of Place.	Where held.	Secretary.	Teachers, and Grades of their Certificates.
Kirkstall -	Educational Society	Barrett, Geo. -	Smith, W. 3rd Grade Gill, E. R. 2nd Grade
Lamerton -	Church of England School.	Sly, T. - - -	Peddle, W. J. „ -
Leamington -	Lansdown Place -	Keene, Alfred -	Ryan, C. 3rd Grade
Leeds - -	New Wortley Parish School.	Lampen, Rev. S. P.	Ward, T. 2nd Grade
„ - -	St. Mary's National School.	Bickerdike, Rev. J.	Columbine, H. „ -
„ - -	St. Peter's School -	Wood, Rev. F. -	Ison, E. } „ - Binner, W. }
„ - -	Working Men's Institute.	Lupton, W., jun. -	Palliser, J. W. 3rd Grade Palliser, T. A. 2nd Grade
„ - -	Young Men's Christian Association.	Smith, W. H. -	Palliser, J. W. 3rd Grade Palliser, T. A. 2nd Grade
Leicester -	Great Meeting British School.	Kempson, W. -	Hull, G. „ -
Liskeard -	Literary Institution	Jewell, C. W. -	Babb, H. R. „ -
Liverpool -	Hope Street British School.	Thew, A. S. -	Fullarton, A. „ -
„ -	Young Women's Christian Association.	Miller, Miss, A. J.	Gammage, Miss, 3rd Grade
Llanelly -	Mechanics' Institution.	Innes, R. F. -	Morgan, T. 2nd Grade
„ -	Gwaincaegurwen British School.	Morgan, D. - -	Davies, D. „ -
Loughor -	National School -	Jenkins, Rev. E. -	Cole, F. „ -
Lowestoft -	St. John's National School.	Beaumont, Rev., M. H.	Collins, W. „ -
Lowton - -	St. Mary's National School.	Simpson, Rev. J. W. S.	Dicks, C. „ -
Maidstone -	College Buildings -	Collis, Rev. H. -	Williamson, J. B. 3rd Grade
Manchester -	Gorton Railway School.	Greenwood, J. -	Botheras, R. 2nd Grade
„ -	Gorton, West, St. Mark's Christian and Literary Association.	Jackson, T. - -	Ward, R. P. 2nd Grade
„ -	St. John the Baptist School, Greenheys.	Cooper, L. - -	Winfield, B. „ -
„ -	Union Institute, St. James' Chambers.	Lawton, T. - -	Le Resche, S. „ -
Market Harborough.	British School -	Clarkson, Rev. W.	Robinson, A. „ -
Melksham -	Mutual Improvement Society.	Palmer, T. - -	Price, H. S. „ -
Merthyr Tydfil.	British School -	Thomas, Rev. J. -	Jones, J. E. „ -
„ -	St. David's School -	Davies, Rev. H. -	Hartshorn, T. „ -
Metropolitan:			
Battersea -	Christ Church National School.	Forster, G. W. -	Brown, H. „ -
„ -	Sherwood Mutual Improvement Society.	Roberts, Fred. S.	Randall, J. „ -
Bethnal Green	National School -	Avenill, W. C. -	Angel, H. } „ - Moss, H. }
Blackfriars Road.	South London Working Men's College.	Rossiter, W. - -	Hulme, F. E. 3rd Grade
Chelsea -	Arthur Street Art and Science Classes.	Browning, Chas. -	Bickerton, A. W., 2nd Grade
Clerkenwell Green.	Technical School -	Taylor, J, - -	Bickerton, A. W. „ -
Finchley -	Congregational School	Dale, F. - -	Adams, Mrs. „ -
Hornsey -	British School - -	Maynard, R. R. -	Leigh, S. „ -

in Drawing, &c.—*cont.*

Number receiving Instruction in Drawing.	Number examined in Second Grade.	Number successful in Second Grade.	No. who obtained 2nd Grade Prizes.	Number of Artizans whose Works were found satisfactory.	No. who obtained 3rd Grade Prizes.	Payments made on Results of the Examinations. £ s. d.	Aid on account of Prizes, Examples, &c. £ s. d.	TOTAL AID. £ s. d.	Name of Place.
13	10	3	—	2	1	7 1 0	0 10 6	7 11 6	Kirkstall.
20	New school.					—	—	—	Lamerton.
25	45	25	5	1	2	5 5 0	6 13 9	11 18 9	Leamington.
40	18	3	1	1	—	4 5 0	0 5 3	4 10 3	Leeds.
30	22	7	1	3	—	11 15 8	0 12 0	12 7 8	„
60	58	19	5	5	—	20 1 0	6 19 9½	27 0 9½	„
20	New school.					—	5 10 0	5 10 0	„
90	77	51	17	18	1	61 18 6	21 6 9½	83 5 3½	„
15	New school.					—	—	—	Leicester.
12	15	11	1	5	4	7 17 0	3 11 1	11 8 1	Liskeard.
26	17	7	1	—	—	—	0 10 0	0 10 0	Liverpool.
18	22	19	3	—	—	7 10 0	1 5 3	8 15 3	„
16	23	7	1	4	2	37 6 0	5 7 7½	42 13 7½	Llanelly.
5	5	5	4	—	—	4 0 0	3 0 6	7 0 6	„
26	New school.					—	3 4 10½	3 4 10½	Longhor.
24	New school.					—	5 2 6	5 2 6	Lowestoft.
18	8	2	1	—	—	1 0 0	0 10 2	1 10 2	Lowton.
59	48	24	7	9	7	21 19 0	6 16 8	28 15 8	Maidstone.
35	27	19	5	2	3	18 15 0	3 11 1	22 6 1	Manchester.
31	27	11	3	—	—	7 0 0	4 6 5	11 6 5	„
17	9	4	—	—	—	2 0 0	—	2 0 0	„
56	New school.					—	3 3 0	3 3 0	„
40	New school.					—	1 0 5	1 0 5	Market Harborough.
14	New school.					—	5 13 7½	5 13 7½	Melksham.
30	New school.					—	5 16 10½	5 16 10½	Merthyr Tydfil.
80	32	23	3	—	—	20 0 0	1 10 0	21 10 0	„
60	27	8	3	4	1	17 4 0	1 6 7	18 10 7	Metropolitan :— Battersea.
41	24	13	—	5	—	16 2 0	—	16 2 0	„
56	31	17	7	—	—	14 10 0	1 15 6	16 5 6	Bethnal Green.
33	13	9	2	4	—	15 0 0	0 15 3	15 15 3	Blackfriars Road.
55	47	18	2	2	—	27 17 0	2 11 7	30 8 7	Chelsea.
10	New school.					—	—	—	Clerkenwell Green.
35	25	22	7	—	—	13 0 0	2 2 1	15 2 1	Finchley.
20	14	3	1	—	—	9 10 0	0 3 10	9 13 10	Hornsey.

Appendix C.

LIST OF NIGHT CLASSES.

List of Night Classes for Instruction

Name of Place.	Where held.	Secretary.	Teachers, and Grades of their Certificates.
Metropolitan—*cont.*			
Islington -	St. Mary's School, Little Cross Street.	Hancock, W. -	Mills, S. F. 3rd Grade
„ -	Youths' Institute, St. George's Hall.	Tabrum, E. J. -	Fairmaner, W. 2nd Grade
Kensington -	Allen Street British School.	Trotman, S. H. -	Bickerton, A. W. „ -
Knightsbridge	Albert Working Men's Club.	Browning, John -	Bickerton, A. W. „ -
Lambeth -	Boys' School, Hercules Buildings.	Jones, W. W. -	Heller, J. E. } Hornaman, J. } „ -
Leadenhall Street.	City of London School.	Hansen, H. W. -	Hawker, Geo. „ -
Limehouse -	St. Anne's School -	Wiggins, F. - -	Farncomb, E. „ -
„ -	St. John's School -	Ogle, Rev. J. L. -	Murche, V. T. „ -
Little Tichfield Street.	Portland British School.	Martineau, Rev. J	Brown, A. „ -
Millwall -	St. Paul's Presbyterian Institute.	Auld, J. - -	Farncombe, E. „ -
Paddington -	St. James' National School.	Smith, P. V. - -	Hale, R. 3rd Grade
Rupert Street	St. Peter's Young Men's Institute.	Duval, Rev. P. S.	Trego, W. 2nd Grade
Southampton Buildings.	Birkbeck Literary and Scientific Institution.	Knott, J. W. -	Davy, W. „ -
Stepney -	St. Philip's School -	Green, Rev. E. C.	Robinson, A. F. 3rd Grade
Westminster -	Westminster Chapel Congregational School.	Vernon, T. H. -	Latham, W. S. 2nd Grade
Woolwich -	St. Michael and All Angels' School.	Ruegg, Louis -	Byatt, H. „ -
Middlesbro-on-Tees.	Mechanics' Institution.	Taylor, W. - -	Watson, J. W. „ -
Middleton -	National School -	Durnford, Rev. R.	Wheeler, G. H. „ -
„ -	Parkfield, Holy Trinity School.	Bates, Rev. E. -	Heywood, E. „ -
Monkwearmouth.	Colliery School -	Walker, J. A. -	Rowden, W. T. } Byers, T. W. } „ -
Moxley -	National School -	Wilson, Rev. J. -	Williams, J. 3rd Grade
Netherton -	National School -	Taylor, Rev. G. J.	Green, F. 2nd Grade
Newcastle-on-Tyne.	Elswick Works Mechanics' Institution.	Allan, George -	Rowden, W. T. „ -
Newport, Mon.	National School -	Mitchell, F. J. -	Fisher, J. „ -
New Swindon	Great Western Railway Institution School.	Hill, H. - -	Miller, J. „ -
Newton Abbot	Useful Knowledge Society.	Drew, W. - -	Holmes, T. „ -
Newton Heath	No. 1. All Saints' School.	Hutchinson, Rev. W.	Foulds, W. „ -
Northampton	The Museum - -	Hensman, J. B. -	Taylor, A. S. „ -
Norwich -	Presbyterian Charity School.	Dowson, J. W. -	Cochrane, R. 3rd Grade
Oldbury -	Messrs. Chance's School.	Chance, A. M. -	Dugmore, W. 2nd Grade
„ -	National School -	Bowlby, Rev. R. B.	Spencer, P. „ -
Otley - -	Mechanics' Institution	Newstead, H. J. -	Smith, D. 3rd Grade
Pensnett -	British School - -	Barlow, W. - -	Ping, W. 2nd Grade
„ -	National School -	Cariss, Rev. W. H.	Atkins, J. „ -
Pill - -	Benevolent School -	Lace, Rev. J. W. -	Ainsworth, Eliz. „ -
Plymouth -	Cobourg Street Public Free School.	Bishop, R. - -	Jago, C. S. „ -
„ -	Courtenay Street -	Cawse, H. M. -	Robjohns, F. R. 3rd Grade
„ -	Working Men's Club and Institute.	Risk, Rev. J. E. -	Trethewy, T. J. 2nd Grade

in Drawing, &c.—*cont.*

Number receiving Instruction in Drawing.	Number examined in Second Grade.	Number successful in Second Grade.	No. who obtained 2nd Grade Prizes.	Number of Artizans whose Works were found satisfactory.	No. who obtained 3rd Grade Prizes.	Payments made on Results of the Examinations.	Aid on account of Prizes, Examples, &c.	Total Aid.	Name of Place.
						£ s. d.	£ s. d.	£ s. d.	Metropolitan—*cont.*
70	40	24	8	9	5	34 9 0	5 12 9	40 1 9	Islington.
60	37	22	4	—	—	15 0 0	1 19 1	16 19 1	„
31		New school.				—	—	—	Kensington.
5	21	13	4	2	—	18 18 0	1 14 4	20 12 4	Knightsbridge.
38	14	5	—	—	—	4 10 0	—	4 10 0	Lambeth.
12	5	4	—	—	—	2 10 0	1 5 1½	3 15 1½	Leadenhall St.
20	11	5	2	—	—	5 10 0	0 13 10	6 3 10	Limehouse.
10		New school.				—	7 3 3	7 3 3	„
22		New school.				—	—	—	Little Tichfield Street.
9	11	3	1	—	—	2 0 0	0 9 1	2 9 1	Millwall.
*		New school.				—	3 17 9½	3 17 9½	Paddington.
*	9	6	1	—	—	6 10 0	0 10 0	7 0 0	Rupert Street.
50	11	3	1	1	1	3 6 0	0 16 0	4 2 0	Southampton Buildings.
28		New school.				—	—	—	Stepney.
80	19	9	4	—	—	10 8 0	1 11 3	11 19 3	Westminster.
37	21	10	4	—	—	8 0 0	1 7 3	9 7 3	Woolwich.
*		New school.				—	18 18 8½	18 18 8½	Middlesboro-on-Tees.
*		Not examined.				—	—	—	Middleton.
20	16	8	2	—	—	7 0 0	0 15 10	7 15 10	„
46	23	7	4	—	—	3 10 0	0 15 4	4 5 4	Monkwearmouth.
20		New school.				—	2 15 2	2 15 2	Moxley.
23	15	6	2	1	—	7 13 0	0 15 5	8 8 5	Netherton.
90	77	29	12	—	—	9 10 0	3 2 10	12 12 10	Newcastle-on-Tyne.
25	17	5	—	5	—	14 2 0	2 13 8½	16 15 8½	Newport, Mon.
54	35	19	3	3	8	21 13 0	4 19 7	26 12 7	New Swindon.
20	18	12	3	6	3	22 17 0	3 2 0	25 19 0	Newton Abbot.
30	11	1	—	—	—	0 10 0	—	0 10 0	Newton Heath.
60	82	25	5	2	2	15 0 0	3 3 8	18 3 8	Northampton.
30	18	6	1	5	1	13 17 0	0 14 5	14 11 5	Norwich.
45	49	5	—	—	—	14 8 0	—	14 8 0	Oldbury.
53	44	10	2	5	—	18 9 0	1 0 0	19 9 0	„
14	17	11	4	8	3	18 3 0	3 2 7	21 5 7	Otley.
30	20	6	2	7	1	6 0 0	8 11 4½	14 11 4½	Pensnett.
32	24	8	1	—	—	16 6 6	2 8 1	18 14 7	Pill.
12		New school.				—	5 3 8½	5 3 8½	„
55	51	27	9	6	3	22 10 0	4 14 11	27 4 11	Plymouth.
80	32	15	5	7	3	21 19 0	3 18 1	25 17 1	„
20		New school.				—	—	—	„

* Not reported.

Appendix C.

LIST OF NIGHT CLASSES.

List of Night Classes for Instruction

Name of Place.	Where held.	Secretary.	Teachers, and Grades of their Certificates.	
Parkgate -	United Methodists' Free Church School.	Simmonite, H. -	Brears, W.	2nd Grade
Redruth -	Wesleyan School -	Williams, H. T. -	Thomas, H. J.	„ -
Runcorn -	National School -	Barclay, Rev. J. -	Jordan, A.	„ -
Rowley Regis	National School -	Jukes, W. - -	Parrott, E. B.	„ -
Salford - -	Working Men's College.	Plant, John - -	Le Resche, S.	„ -
Saltaire - -	Literary Institute -	Haley, Frank -	Smith, D.	3rd Grade
St. Helen's -	Mechanics' Institution.	Leach, J. B. - -	Lees, S. S.	2nd Grade
„ -	St. Thomas' Church Institute.	Mocatta, Rev. W. A.	Gandy, J.	„ -
St. Just - -	Literary and Scientific Institution.	Boyns, R. - -	George, T.	„ -
Scaham Harbour.	Infant School - -	Bainbridge, E. -	Thomas, S.	„ -
Shaftesbury -	National School -	Butlin, Rev. W. H.	Gummer, H. O.	„ -
Sheffield -	Christian and Educational Institute.	Wardlow, C. -	Turner, R.	„ -
Skelmanthorpe	National School -	Drummond, O. -	Fawcett, J. L.	„ -
Skipton - -	Mechanics' Institution.	Lee, E. - - -	Hartley, A.	„ -
Slaithwaite -	Mechanics' Institution.	Sugden, J. - -	Sykes, P.	3rd Grade
Slough - -	National School -	Armstrong, H. -	Hiscox, G. D.	„ -
Smethwick -	Messrs. Chance's School.	Talbot, W. F. -	Hill, H.	„ -
„ -	St. Matthews' School	Ferguson, Rev. A.	Woodcock, C.	„ -
„ -	Trinity Schools -	Young, Rev. J. -	Sears, H. H.	„ -
SowerbyBridge	National School -	Fox, W. - -	Stopford, W. A.	„ -
Staveley -	Works Art School -	Selby, J. - -	Francis, E.	2nd Grade
Stockport -	Mechanics' Institution.	Stockdale, R. -	Rathbone, T. H.	„ -
„ -	Sunday School - -	Hill, J. - - -	Rathbone, T. H.	„ -
Stockton-on-Tees.	Mechanics' Institution.	Bennington, Geo.	Watson, J. W.	„ -
Tavistock -	British School - -	Luxton, R. - -	Moffatt, A.	„ -
„ -	Duke of Bedford's Gulworthy School.	Phillips, W. - -	Gand, J. W.	„ -
„ -	Sydenham Damerel School.	Purcell, Rev. W. H. D.	Nettell, Catherine	„ -
„ -	West Street Art Night Class.	Greenfield, T. W.	Robjohns, F. R.	3rd Grade
Thirsk - -	Mechanics' Institution.	Bourn, W. A. -	Watson, J. W.	2nd Grade
Thorne - -	Brooke's Grammar School.	Lister, W. - -	Constable, J.	„ -
Tipton - -	Ocker Hill National School.	Solari, Rev. A. -	Reynolds, T.	„ -
„ - -	St. Martin's National School.	Wilday, W. J. -	Justone, Geo.	„ -
Walsall - -	Artizans' Art Class -	Robinson, W. H. -	Mulligan, J. A.	3rd Grade
Warminster -	British School - -	Farmer, J. - -	Waite, Robt.	2nd Grade
Wateringbury	National School -	Stevens, Rev. H. -	Freeman, J.	„ -
Wednesbury -	British School - -	Lloyd, S. - -	Wimpress, C.	„ -
„ -	Parish Church Class	Lyons, Rev. J. -	Gregory, C.	„ -
„ -	St. John's School -	Winter, Rev. J. -	Phillips, W.	„ -
West Bromwich.	St. Peter's School -	Massey, Rev. C. -	Hill, S. T.	„ -
„ -	Messrs. Bagnall's School, Gold's Hill.	Hutton, Rev. F. P. B. N.	Law, A.	„ -
Westbury-on-Trym.	Working Men's Night Class, National School.	Pease, Thomas -	Gandee, A. G.	„ -
Weston-super-Mare.	Albert Industrial School.	Panes, J. - -	Cosbie, W. S.	3rd Grade

in Drawing, &c.—*cont.*

Number receiving Instruction in Drawing.	Number examined in Second Grade.	Number successful in Second Grade.	No. who obtained 2nd Grade Prizes.	Number of Artizans whose Works were found satisfactory.	No. who obtained 3rd Grade Prizes.	Payments made on Results of the Examinations.	Aid on account of Prizes, Examples, &c.	Total Aid.	Name of Place.
						£ s. d.	£ s. d.	£ s. d.	
16	10	3	1	—	—	4 8 0	0 3 10	4 11 10	Parkgate.
15	14	8	3	—	—	10 3 6	1 3 5	11 6 11	Redruth.
30		New school.				—	5 9 0	5 9 0	Runcorn.
27		New school.				—	—	—	Rowley Regis.
30		New school.				—	—	—	Salford.
9		New school.				—	—	—	Saltaire.
25	21	12	5	—	—	11 3 0	2 6 4	13 9 4	St. Helen's.
40	21	8	2	2	2	11 17 0	1 17 0	13 14 0	„
23	19	8	6	—	—	—	3 16 3½	3 16 3½	St. Just.
104	72	26	5	1	—	25 12 0	2 2 0	27 14 0	Seaham Harbour.
30		New school.				—	—	—	Shaftesbury.
14	13	10	2	2	—	15 11 0	1 0 0	16 11 0	Sheffield.
12		New school.				—	1 4 1	1 4 1	Skelmanthorpe.
20		New school.				—	2 1 6	2 1 6	Skipton.
30		New school.				—	3 1 5½	3 1 5½	Slaithwaite.
15		New school.				—	—	—	Slough.
*	Not examined.			—	—	5 14 0	—	5 14 0	Smethwick.
24	16	6	—	1	—	8 3 0	—	8 3 0	„
30	—	6	1	—	—	8 19 0	0 10 0	9 9 0	„
35		New school.				—	1 1 1	1 1 1	Sowerby Bridge.
16		New school.				—	8 10 7	8 10 7	Staveley.
16	17	3	1	—	—	4 0 0	2 2 6½	6 2 6½	Stockport.
60	37	7	1	—	—	7 0 0	2 3 11½	9 3 11½	„
30		New school.				—	12 18 3½	12 18 3½	Stockton-on-Tees.
25	16	9	3	—	—	10 18 6	1 3 10	12 2 4	Tavistock.
50	38	38	31	—	—	22 10 0	18 0 1½	40 10 1½	„
6	4	—	—	—	—	—	0 8 7½	0 8 7½	„
33	26	12	1	5	1	17 7 0	1 0 8	18 7 8	„
38		New school.				—	10 10 1½	10 10 1½	Thirsk.
19	15	10	3	1	—	13 9 0	0 11 6	14 0 6	Thorne.
20	14	8	1	3	—	11 19 0	0 10 0	12 9 0	Tipton.
30	20	13	2	—	—	13 7 8	1 0 0	14 7 8	„
20		New school.				—	—	—	Walsall.
11	10	2	—	—	—	3 0 0	—	3 0 0	Warminster.
13	10	2	—	—	—	0 10 0	—	0 10 0	Wateringbury.
31	17	8	1	4	—	6 0 0	3 1 3½	9 1 3½	Wednesbury.
29	18	15	4	—	—	22 17 0	1 17 3	24 14 3	„
147	28	8	—	8	—	13 13 3	2 5 11	15 19 2	„
50	29	12	1	11	—	18 12 0	0 10 0	19 2 0	West Bromwich.
62	19	6	1	3	—	12 4 0	0 10 0	12 14 0	„
36	29	19	5	5	—	21 16 0	1 11 2	23 7 2	Westbury-on-Trym.
36		New school.				—	3 6 2½	3 6 2½	Weston-super-Mare.

* Not reported.

Appendix C.

LIST OF NIGHT CLASSES.

List of Night Classes for Instruction

Name of Place.	Where held.	Secretary.	Teachers, and Grades of their Certificates.
Whitchurch (Salop).	Wesleyan School -	Nash, Lucas -	Gatenby, A. 2nd Grade
Wickham Market.	National School -	Read, C. H. -	Bates, W. J. „ -
Wigan - -	St. Thomas' National School.	Cronshaw, Rev. J.	Wilkinson, Miss } Hall, E. } „ -
Willenhall -	The Literary Institute.	Tildesley, J. C. -	Gregory, C. „ -
Wilton - -	Art Night Class -	Nightingale, J. E.	Fraser, J. P. 3rd Grade
Windsor -	Mechanics' Institution.	Lundy, J. - -	Dorrell, H. B. 2nd Grade
Wisbech -	Working Men's Club and Institute.	Balding, A. - -	Miller, S. H. „ -
Witney - -	Wesleyan Mutual Improvement Society.	Foster, Rev. C. -	Seanes, J. - „ -
Wolverhampton.	St. John's School -	Hilliard, Rev. A. B.	Board, G. „ -
„ -	St. Peter's National School.	Langley, J. N. -	Horton, F. C. „ -
„ -	Wednesfield Heath National School.	Sproston, Rev. S. T.	Johnstone, T. P. „ -
Wolverton -	Science and Art Institute.	Meadley, J. - -	Moore, T. „ -
Woodhouse -	Mechanics' Institution.	Hainsworth, D. -	Rawlinson, W. „ -
Worcester -	Guildhall Art Classes (St. Martin's).	Day, H. - -	Plant, E. C. „ -
„ -	St. George's, Claines, School.	Lane, Rev. C. -	Spencer, J. „ -
„ -	Trade School - -	Eaton, Fredk. -	Spencer, J. „ -
„ -	Working Men's Hall	Eaton, Fredk. -	Spencer, J. „ -
Wordsley -	National School -	Ford, Rev. J. -	Crompton, A. „ -
York - -	St. Saviourgate Institution.	Williams, J. - -	Browne, J. „ -
„ - -	Manor National School.	Wightman, Rev. W. A.	Hitchcock, G. K. „ -
Ystradgynlais	British School - -	Harries, R. - -	Gordon, R. „ -
			Totals for 1869, 240 schools
			Totals for 1868, 130 schools
			Totals for 1867, 72 schools -
			Totals for 1866, 32 schools -

in Drawing, &c.—*cont.*

Number receiving Instruction in Drawing.	Number examined in Second Grade.	Number successful in Second Grade.	No. who obtained 2nd Grade Prizes.	Number of Artizans whose Works were found satisfactory.	No. who obtained 3rd Grade Prizes.	Payments made on Results of the Examinations.	Aid on account of Prizes, Examples, &c.	TOTAL AID.	Name of Place.
						£ s. d.	£ s. d.	£ s. d.	
16		New school.				—	—	—	Whitchurch (Salop).
16		New school.				—	2 13 3	2 13 3	Wickham Market.
36	27	7	1	5	—	13 18 0	0 3 10	14 1 10	Wigan.
25	13	6	1	2	2	11 2 0	1 11 0	12 13 0	Willenhall.
22	19	6	—	—	—	4 0 0	—	4 0 0	Wilton.
19		New school.				—	—	—	Windsor.
32	21	19	5	—	3	15 17 0	4 2 11	19 19 11	Wisbech.
20	17	5	—	1	—	7 1 0	—	7 1 0	Witney.
30	25	3	—	1	—	8 0 0	—	8 0 0	Wolverhampton.
60	48	24	5	5	—	36 15 6	4 1 1	40 16 7	„
12	12	3	1	—	—	6 1 0	0 12 0	6 13 0	„
26	21	14	2	2	1	13 7 0	6 11 7	19 18 7	Wolverton.
18	11	6	3	—	—	5 0 0	5 0 7½	10 0 7½	Woodhouse.
24	13	11	2	5	1	15 2 0	0 16 7	15 18 7	Worcester.
39	11	5	1	—	—	6 9 0	0 10 0	6 19 0	„
38		New school.				—	—	—	„
42	23	11	2	—	—	13 16 6	6 5 5	20 1 11	„
46	33	12	1	2	—	20 18 0	4 19 1	25 17 1	Wordsley.
54	14	9	3	1	—	9 3 0	1 5 3	10 8 3	York.
20	14	2	—	—	—	3 0 0	—	3 0 0	„
40	30	23	15	—	—	16 0 0	5 2 6	21 2 6	Ystradgynlais.
9,322	4,556	2,140	596	465	119	2,428 8 0	665 10 1½	3,093 18 1½	
4,571	2,107	1,206	434	322	66	1,331 6 11	501 4 9	1,832 11 8	
2,553	1,389	611	224	193	63	567 15 0	179 9 8½	747 4 8½	
1,140	702	346	126	69	43	284 10 0	64 6 5	384 16 5	

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Appendix C.

NUMBERS UNDER INSTRUCTION IN DRAWING.

5. EXAMINATIONS in DRAWING were also held in the months of March and May 1869 at the under-mentioned Schools, unaided by payments, and the results are given in the following Table:—

TABLE D.

Name of Place.	Name of School.	First Grade.			Second Grade.		
		No. of Persons examined.	No. of Persons successful.	No. of Persons who obtained Prizes.	No. of Persons examined.	No. of Persons successful.	No. of Persons who obtained Prizes.
Aberdeen	Boys' Hospital	39	25	7	2	2	—
Ackworth	Ackworth School	—	—	—	78	48	9
Ballykinlar	National School	—	—	—	1	1	1
Balstonborough	St. Anne's School	—	—	—	19	4	1
Bonnybridge	Grammar School	—	—	—	11	1	—
Brechin	Free Church School	28	24	9	4	1	—
Brigstock	Science School	5	2	1	—	—	—
Burnley	Grammar School	17	14	4	—	—	—
Bury St. Edmund's.	Guildhall School	—	—	—	21	20	5
Devonport	St. James' School, Keyham.	—	—	—	12	8	3
Dublin	King's Hospital School	31	9	2	7	5	2
Eagley Mills	British School	—	—	—	11	6	—
Falkirk	Blair Lodge School	—	—	—	27	8	2
Farnham	National School	—	—	—	18	6	2
Frome	Blue Coat School	40	18	5	6	—	—
Haverfordwest	National School	—	—	—	4	4	1
Henley-on-Thames.	Lower Grammar School.	57	14	4	—	—	—
Lancaster	Ripley's Hospital	—	—	—	28	26	6
Lichfield	Working Men's Institute.	—	—	—	5	1	—
Lincoln	Christ's Hospital	103	15	4	—	—	—
Little Lever	Wesleyan School	—	—	—	11	3	—
Maldon	Mechanics' Institute	—	—	—	12	4	1
Marton-in-Cleveland.	Captain Cook's Memorial School.	—	—	—	3	2	—
Metropolitan Schools:—							
Bayswater	West London Youths' Institute.	—	—	—	6	4	3
Blackfriars Road.	Christ Church School	47	10	2	2	1	—
Chiswick	Royal Horticultural Society's School.	—	—	—	4	1	—
East Greenwich.	Roan's Grey Coat Charity School.	40	25	5	—	—	—
Greenwich	Royal Hospital School	81	68	25	14	6	2
Newgate St.	Christ's Hospital	313	193	—	63	56	18
Oldcastle	Endowed School	15	12	4	—	—	—
Penrith	National School	—	—	—	12	5	1
St. Andrew's	Madras College	—	—	—	2	2	—
St. Helen's	Commercial School	—	—	—	10	4	1
Sherborne	Lord Sherborne's School.	4	2	1	—	—	—
Short Moor	Tucker's Free School	25	15	2	1	—	—
Slough	Mechanics' Institute	—	—	—	26	12	2
Stourbridge	Grammar School	—	—	—	14	6	2
Tavistock	St. Mary Tavy School	—	—	—	11	4	2
Windsor	St. Mark's School	—	—	—	8	7	1
Woodhouse, near Leeds.	Woodhouse Grove School.	—	—	—	36	19	3
Yarmouth, Gt.	Children's Hospital School.	124	74	12	1	—	—
	Totals	969	520	87	490	277	68

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6. ABSTRACT of RETURNS from SCHOOLS OF ART for the Year 1869.

ABERDEEN.—(Population in 1861—73,794.)

Established in 1853. Situate at the Mechanics' Institution, Market Street.

The committee of management consists of 13 members, and the officers are:—

Robert Urquhart, Chairman.
James Sinclair, Secretary.
John Menzies, Head-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 249, showing an increase of 3 since last year. The total amount of fees has been 125*l.* 8*s.* 8*d.*, showing an increase of 34*l.* 6*s.* 6*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—18 students, who have paid 10*s.* and 15*s.* per quarter; total, 20*l.* 0*s.* 2*d.* Evening classes—231 students, who have paid 7*s.* 6*d.* and 10*s.* 6*d.* per quarter; total, 105*l.* 8*s.* 6*d.*

The total income of the school is returned as 269*l.* 13*s.* 0*d.*

Six third grade prizes were awarded to students whose works were sent up for inspection, and 14 second grade prizes were awarded at the local examination.

Ninety-eight students sent 669 works to the annual examination in London. Payments were made on account of the works of 93 artizans.

At the public local examination of the school in March, 75 persons presented themselves for examination, of whom 51 were successful.

The school has expended from its own funds 9*l.* 11*s.* 4*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 162*l.* 8*s.* 10*d.*, which includes a prize of 10*l.* to the head-master.

ANDOVER.—(Population in 1861—5,221.)

Established in 1854. Situate at Bridge Street.

The committee of management consists of 8 members, and the officers are:—

The Hon. and Rev. S. Best, Chairman.
Henry Thompson, Secretary.
John Philip Fraser, Head-Master; 5 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 111, showing an increase of 1 since last year. This total includes 40 students of private schools, who paid 7*l.* 10*s.*, and 70 students who have attended the Central School, from whom 34*l.*, have been received. The total amount of fees has been 41*l.* 10*s.*, showing an increase of 4*l.* 10*s.* over the sum received last year.

The attendance at the classes has been:—Day classes—20 students, who have paid 7*s.* 6*d.* and 12*s.* 6*d.* per quarter, and an entrance fee of 2*s.*;

Appendix C. SCHOOLS OF ART.

total, 27*l.* Evening classes—50 students, who have paid 1*s.* 6*d.*, 3*s.*, and 6*s.* per quarter, and 1*s.* and 2*s.* entrance fees; total, 7*l.*

The total income of the school is returned as 117*l.* 7*s.*

Two second grade prizes were awarded at the local examination.

Fifty-one students sent 353 works to the annual examination in London. Payments were made on account of the works of 51 artizans.

At the public local examination of the school in March, 48 persons presented themselves for examination, of whom 10 were successful.

An exhibition of the students' works took place in the Town Hall, and was attended by many visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 51*l.* 7*s.* 10*d.*

BATH.—(Population in 1861—52,528.)

Established in 1854. Situate at 33, The Paragon.

The committee of management consists of 16 members, and the officers are:—

Major Allen, M.P., Chairman.
Charles E. Davis, F.S.A., Secretary.
J. S. Goepel, Head-Master; 3 certificates.
Sidney Nesbitt, Assistant Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 228, showing a decrease of 32 since last year. The total amount of fees has been 184*l.* 17*s.* 9*d.*, showing a decrease of 21*l.* 2*s.* 9*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—131 students, who have paid 21*s.* and 10*s.* 6*d.* per quarter; total, 146*l.* 12*s.* 3*d.* Evening classes—97 students who have paid 6*s.* per quarter, and 2*s.* entrance fee; total, 38*l.* 5*s.* 6*d.*

The total income of the school is returned as 292*l.* 18*s.* 1*d.*

Five third grade prizes were awarded to students whose works were sent up for inspection, and 30 second grade prizes were awarded at the local examination.

Seventy-one students sent 324 works to the annual examination in London. Payments were made on account of the works of 58 artizans.

At the public local examination of the school in March, 62 persons presented themselves for examination, of whom 58 were successful.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 337*l.* 14*s.* 5*d.*, which includes a grant of 200*l.* towards building new premises for the School of Art.

BIRKENHEAD.—(Population in 1861—52,587.)

Established in 1855. Situate at 9, Hamilton Street.

The committee of management consists of 13 members, and the officers are:—

James Taylor, Chairman.
William E. Hinde, Secretary.
J. Bentley, Head-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 161, showing an increase of 10 since last year. The total amount of fees has been 229*l.* 14*s.* 6*d.*, showing an increase of 29*l.* 10*s.* 3*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—40 students, who have paid 21*s.* and 42*s.* per quarter; total, 120*l.* 4*s.* 6*d.* Evening

classes—121 students, who have paid 6*s.* and 10*s.* 6*d.* per quarter, and 2*s.* 6*d.* entrance fee; total, 109*l.* 10*s.*

The total income of the school is returned as 434*l.* 15*s.*

The school received 1 Queen's prize of books at the national competition; in addition to which 6 third grade prizes of books, &c. were awarded to students whose works were sent up for inspection, and 11 second grade prizes were awarded at the local examination.

Eighty-seven students sent 631 works to the annual examination in London. Payments were made on account of the works of 79 artizans.

At the public local examination of the school in March, 79 persons presented themselves for examination, of whom 49 were successful.

An exhibition of the students' works took place in the Music Hall, and was attended by about 800 visitors.

The school has expended from its own funds 10*l.* 11*s.* 3*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 146*l.* 12*s.* 1½*d.*, which includes a prize of 10*l.* to the head-master.

BIRMINGHAM.—(Population in 1861—295,955.)

Established in 1842. Situate at 17, Paradise Street.

The committee of management consists of 21 members, and the officers are:—

Charles R. Cope, J. P., Chairman.
Edwin Laundy, Secretary.
David W. Raimbach, Head-Master; 1 certificate.
W. M. Wallis, E. Blizard (3 certificates).

The total number receiving instruction in drawing in, or through the agency of, the school during the year 1869 has been 1,108, showing an increase of 26 since last year. The total amount of fees has been 80*8l.* 7*s.*, showing an increase of 2*l.* 14*s.* 6*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—343 students, who have paid 10*s.* and 7*s.* 6*d.* per quarter; total, 321*l.* 15*s.* 6*d.* Evening classes—765 students, who have paid 7*s.* 6*d.* and 5*s.* per quarter; total, 486*l.* 11*s.* 6*d.*

The total income of the school is returned as 1,449*l.* 15*s.* 7*d.*

The school received 1 bronze medal, and 3 Queen's prizes of books at the national competition; in addition to which 29 third grade prizes were awarded to students whose works were sent up for inspection, and 25 second grade prizes were awarded at the local examination.

Two students obtained national scholarships during the year in the National Art Training School at South Kensington.

Four hundred and seventy students sent 2,842 works to the annual examination in London. Payments were made on account of the works of 447 artizans.

At the public local examination of the school in March, 328 persons presented themselves for examination, of whom 153 were successful.

An exhibition of the students' works took place in February, and was attended by 1,855 visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 478*l.* 2*s.* 0*d.*, which includes a prize of 30*l.* to the head-master.

Appendix C.

SCHOOLS OF ART.

BOSTON.—(Population in 1861—15,038.)

Established in 1860. Situate at the Market Place.

The committee of management consists of 23 members, and the officers are:—

The Rev. G. B. Blenkin, M.A., Chairman.
William Gane, Secretary.
Vernon Howard, Head-Master; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 105, showing an increase of 9 since last year. The total amount of fees has been 130*l.* 6*s.*, showing an increase of 20*l.* 9*s.* over the sum received last year.

The attendance at the classes has been:—Day classes—50 students, who have paid 8*s.* and 5*s.* per month, and entrance fees of 5*s.* and 2*s.* 6*d.*; total, 95*l.* 14*s.* Evening classes—55 students, who have paid 4*s.* and 2*s.* per month, and 2*s.* and 1*s.* entrance fees; total, 34*l.* 12*s.*

The total income of the school is returned as 188*l.* 18*s.* 11*d.*

The school received 1 silver medal and 1 Queen's prize of books at the national competition; in addition to which 1 third grade prize was awarded to a student whose works were sent up for inspection, and 6 second grade prizes were awarded at the local examination.

Thirty-four students sent 166 works to the annual examination in London. Payments were made on account of the works of 31 artizans.

At the public local examination of the school in March, 47 persons presented themselves for examination, of whom 30 were successful.

An exhibition of the students' works took place in April, and was attended by 1,267 visitors.

The school has expended from its own funds 2*l.* 11*s.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 66*l.* 14*s.* 2*d.*

BRADFORD.—(Population in 1861—106,218.)

Established in 1865. Situate at the Hallfield Road.

The committee of management consists of 14 members, and the officers are:—

James Law, Alderman, Chairman.
Arthur Briggs, } Secretaries.
Algernon Foggo, M.A., }
Walter Smith, Head-Master; 5 certificates.
William Sturgeon, Assistant-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 125, showing an increase of 11 since last year. The total amount of fees has been 100*l.* 2*s.*, showing an increase of 11*l.* 11*s.* over the sum received last year.

The attendance at the classes has been:—Day classes—27 students, who have paid 31*s.* 6*d.* and 21*s.* per quarter; total, 53*l.* 2*s.* Evening classes—98 students, who have paid 8*s.* or 5*s.* per term; total, 47*l.*

The total income of the school is returned as 282*l.* 2*s.*

The school received 1 gold medal, and 2 Queen's prizes of books at the national competition; in addition to which 7 third grade prizes were awarded to students whose works were sent up for inspection, and 10 second grade prizes were awarded at the local examination.

Fifty-two students sent 356 works to the annual exhibition in London. Payments were made on account of the works of 41 artizans.

At the public local examination of the school in March, 77 persons presented themselves for examination, of whom 33 were successful.

The school has expended from its own funds 1*l.* 8*s.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 was 130*l.* 14*s.* 4*d.*, which includes a prize of 30*l.* to the head-master.

BRIDPORT.—(Population in 1861—7,672.)

Established in 1865. Situate at the Literary and Scientific Institute, East Street.

The committee of management consists of 15 members, and the officers are:—

J. M. P. Montagu, Alderman, Chairman.
The Rev. R. L. Carpenter, Secretary.
J. A. D. Campbell, Head-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 83, showing a decrease of 2 since last year. The total amount of fees has been 120*l.* 10*s.* 9*d.*, showing a decrease of 3*l.* 10*s.* 3*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—44 students, who have paid 26*s.* 3*d.* and 15*s.* 9*d.* per quarter; total, 100*l.* 1*s.* 1*d.* Evening classes—41 students, who have paid 8*s.* 4*d.* and 4*s.* per quarter; total, 18*l.* 11*s.* 7½*d.*

The total income of the school is returned as 162*l.* 13*s.* 6½*d.*

Three third grade prizes were awarded to students whose works were sent up for inspection, and 4 second grade prizes were awarded at the local examination.

Forty-three students sent 289 works to the annual examination in London. Payments were made on account of the works of 21 artizans.

At the public local examination of the school in March, 35 persons presented themselves for examination, of whom 20 were successful.

An exhibition of the students' works took place in August, and was attended by about 240 visitors.

The school has expended from its own funds 2*l.* 4*s.* 3*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 was 43*l.* 3*s.* 3*d.*

BRIGHTON.—(Population in 1861—77,693.)

Established in 1858. Situate at the Royal Pavilion.

The committee of management consists of 12 members, and the officers are:—

The Rev. John Griffith, Chairman.
W. R. Lee, Secretary.
John White, Head-Master; 2 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 97, showing a decrease of 11 since last year. The total amount of fees has been 90*l.* 17*s.* 6*d.*, showing an increase of 5*l.* 6*s.* 0*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—25 students, who have paid 1*l.* 8*s.* and 2*l.* 2*s.* per term; total, 62*l.* 19*s.* Evening

Appendix C. Schools of Art.

classes—72 students, who have paid 6*s.* and 8*s.* per term; total, 27*l.* 18*s.* 6*d.*

The total income of the school is returned as 151*l.* 12*s.* 6*d.*

Eleven second grade prizes were awarded at the local examination.

Eleven students sent 58 works to the annual examination in London. Payments were made on account of the works of 11 artizans.

At the public local examination of the school in March, 100 persons presented themselves for examination, of whom 58 were successful.

An exhibition of the students' works took place, and was attended by many visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 47*l.* 7*s.* 10*d.*

BRISTOL.—(Population in 1861—154,095.)

Established in 1853. Situate at Queen's Road, Clifton.

The committee of management consists of 14 members, and the officers are:—

P. W. S. Miles, Chairman.
The Rev. J. Heyworth and W. S. Wills, Secretaries.
John N. Smith, Head-Master; 4 certificates.
Alfred Nichols, Assistant-Master; 5 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 290, showing an increase of 30 since last year. The total amount of fees has been 322*l.* 16*s.* 3*d.*, showing an increase of 50*l.* 17*s.* 9*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—140 students, who have paid 15*s.*, 21*s.*, 26*s.*, and 40*s.* per quarter, and an entrance fee of 5*s.*; total, 240*l.* 12*s.* 9*d.* Evening classes—150 students, who have paid 4*s.*, 8*s.*, 12*s.*, and 16*s.* per quarter, and 2*s.* entrance fee; total, 82*l.* 3*s.* 6*d.*

The total income of the school is returned as 503*l.* 16*s.* 11*d.*

The school received 2 Queen's prizes of books at the national competition; in addition to which 14 third grade prizes were awarded to students whose works were sent up for inspection, and 37 second grade prizes were awarded at the local examination.

One student obtained a national scholarship during the year in the National Art Training School at South Kensington, and one student obtained a certificate of the third grade at the examination in London in February.

One hundred and one students sent 805 works to the annual examination in London. Payments were made on account of the works of 81 artizans.

At the public local examination of the school in March, 149 persons presented themselves for examination, of whom 99 were successful.

An exhibition of the students' works took place in November, and was attended by 1,000 visitors.

The school has expended from its own funds 10*l.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 was 190*l.* 12*s.* 4*d.*, which includes a prize of 10*l.* to the head-master.

BROMSGROVE.—(Population in 1861—10,823.)

Established in 1860. Situate in High Street.

The committee of management consists of 9 members, and the officers are:—

John Corbett, Chairman.
G. W. Gibson, Secretary.
W. P. Bowen, Head-Master; 2 certificates.

The total number of students receiving instruction in drawing in the school during the year 1869 has been 97, showing an increase of 14 since last year. The total amount of fees has been 65*l.* 16*s.* 3*d.*, showing an increase of 3*l.* 7*s.* 6*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—62 students, who have paid 10*s.* and 7*s.* 6*d.* per quarter; total, 55*l.* 1*s.* 3*d.* Evening classes—37 students, who have paid 2*s.* 6*d.* and 1*s.* 3*d.* per quarter; total, 10*l.* 15*s.* 0*d.* No entrance fees are charged.

The total income of the school is returned as 87*l.* 15*s.* 11*d.*

At the public examination of the school in March, 28 persons presented themselves for examination, of whom 8 were successful, 1 obtaining a second grade prize.

Fourteen students sent 92 works to the annual examination in London. Payments were made on account of the works of 6 artizans.

The school has expended from its own funds 2*l.* 17*s.* 0*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

One student's works sent up for inspection obtained a third grade prize.

An exhibition of the students' works took place in April, and was attended by 350 visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 was 10*l.* 3*s.* 11*d.*

BURSLEM.—(Population in 1861—22,327.)

Opened in October 1869. Situate at The Wedgwood Institute.

The committee of management consists of 20 members, and the officers are:—

H. T. Davenport, Chairman.
W. Woodall, Secretary.
G. Theaker, Head-Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 126.

The attendance at the classes has been:—Day classes—8 students, who have paid 6*s.* 6*d.* per month. Evening classes—126 students who have paid 2*s.* per month.

No examination of the school was held in 1869.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 40*l.* 3*s.* 3*d.*

CAMBRIDGE.—(Population in 1861—26,361.)

Established in 1858. Situate at the Guildhall.

The committee of management consists of 10 members, and the officers are:—

The Rev. J. B. Lightfoot, D.D., Chairman.
W. M. Fawcett, M.A., Secretary.
Daniel Wood, Head-Master; 4 certificates.

Appendix C. SCHOOLS OF ART.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 167, showing an increase of 1 since last year. The total amount of fees has been 180*l.* 7*s.*, showing a decrease of 7*l.* 3*s.* from the sum received last year.

The attendance at the classes has been:—Day classes—118 students, who have paid 21*s.*, 14*s.*, 12*s.*, 9*s.*, and 7*s.* 6*d.* per quarter, and an entrance fee of 5*s.* and 2*s.* 6*d.*; total, 146*l.* 1*s.* 6*d.* Evening classes—49 students, who have paid 14*s.*, 7*s.* 6*d.*, and 6*s.* per quarter, and 2*s.* 6*d.* and 2*s.* entrance fees; total, 34*l.* 5*s.* 6*d.*

The total income of the school is returned as 334*l.* 12*s.* 8*d.*

Thirteen third grade prizes were awarded to students whose works were sent up for inspection, and 10 second grade prizes were awarded at the local examination.

One hundred and twenty-one students sent 567 works to the annual examination in London. Payments were made on account of the works of 76 artizans.

At the public local examination of the school in March, 54 persons presented themselves for examination, of whom 47 were successful.

An exhibition of the students' works took place in December, and was attended by 940 visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 107*l.* 6*s.* 0*d.*, which includes a prize of 10*l.* to the head-master.

CARDIFF.—(Population in 1861—43,000.)

Established in 1868. Situate at the Free Library and Museum, St. Mary Street.

The committee of management consists of 39 members, and the officers are:—

William Taylor, M.D., Chairman.
Peter Price, Secretary.
James Bush, Head-Master, 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 108, showing an increase of 17 since last year. This total includes 21 students of private schools, who paid 20*l.*; and 87 students who have attended the Central School, from whom 63*l.* 10*s.* 4*d.* have been received. The total amount of fees has been 83*l.* 10*s.* 4*d.*, showing an increase of 7*l.* 19*s.* 10*d.* over the sum received last year.

The attendance at the classes has been:—Evening classes, 87 students, who have paid 2*s.* and 3*s.* 6*d.* per month; total, 63*l.* 10*s.* 4*d.*

The total income of the school is returned as 192*l.* 1*s.* 4*d.*

The school received 1 Queen's prize of books at the national competition, in addition to which 5 third grade prizes were awarded to students whose works were sent up for inspection, and 9 second grade prizes were awarded at the local examination.

Fifty-two students sent 534 works to the annual examination in London. Payments were made on account of the works of 45 artizans.

At the public local examination of the school in March, 72 persons presented themselves for examination, of whom 31 were successful.

An exhibition of the students' works took place in the Free Library, and was attended by many visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 73*l.* 17*s.* 7*d.*

CARLISLE.—(Population in 1861—29,436.)

Established in 1854. Situate at Finkle Street.

The committee of management consists of 8 members, and the officers are:—

" W. J. R. Crowder, Mayor, Chairman.
T. H. Hannah, Secretary.
Herbert Lees, Head-Master; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 122, showing an increase of 6 since last year. The total amount of fees has been 64*l.* 17*s.*, showing an increase of 4*l.* 17*s.* 6*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—10 students, who have paid 6*s.* per month or 12*s.* 6*d.* per quarter; total, 14*l.* 12*s.* 6*d.* Evening classes—112 students, who have paid 1*s.*, 2*s.*, and 3*s.* per month; total, 50*l.* 4*s.* 6*d.*

The total income of the school is returned as 169*l.* 5*s.* 6*d.*

The school received 1 silver medal at the national competition; in addition to which 3 third grade prizes were awarded to students whose works were sent up for inspection, and 9 second grade prizes were awarded at the local examination.

Seventy-five students sent 316 works to the annual examination in London. Payments were made on account of the works of 61 artizans.

At the public local examination of the school in March, 57 persons presented themselves for examination, of whom 34 were successful.

An exhibition of the students' works took place in March, and was attended by many visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 99*l.* 17*s.* 0*d.*, which includes a prize of 10*l.* to the head-master.

CARMARTHEN.—(Population in 1861—9,702.)

Established in 1854. Situate at Parade Road.

The committee of management consists of 8 members, and the officers are:—

William Morris, Chairman.
W. J. Rickard, Secretary.
F. F. Hosford, Head-Master; 2 certificates.

The total number receiving instruction in drawing, in or through the agency of, the school during 1869, has been 50, showing a decrease of 10 since last year. The total amount of fees has been 19*l.* 9*s.*, showing a decrease of 6*l.* 2*s.* 3*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—15 students, who have paid 5*s.* and 12*s.* per quarter; total, 16*l.* 3*s.* Evening classes—35 students, who have paid 6*s.* per quarter, and entrance fee; total, 3*l.* 6*s.*

The total income of the school is returned as 77*l.* 14*s.*

Two second grade prizes were awarded at the local examination.

One student obtained a certificate of the third grade at the examination in London in February.

Five students sent 23 works to the annual examination in London. Payments were made on account of the works of 5 artizans.

At the public local examination of the school in March, 30 persons presented themselves for examination, of whom 8 were successful.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 27*l.* 10*s.* 3*d.*

Appendix C.

SCHOOLS OF ART.

CARNARVON.—(Population in 1861—8,530.)

Established in 1853. Situate at 27, Narborough Street.

The committee of management consists of 16 members, and the officers are:—

The Rev. H. T. Edwards, Chairman.
H. P. Manley, Secretary.
J. C. Rowland, Head-Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 178, showing an increase of 1 since last year. This total includes 112 students of private schools, who paid 69*l.* 10*s.*; and 66 students who have attended the Central School, from whom 40*l.* 18*s.* 6*d.* have been received. The total amount of fees has been 110*l.* 8*s.* 6*d.*, showing a decrease of 1*l.* 14*s.* 8*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—7 students. who have paid 1*l.* 1*s.* per quarter; total, 19*l.* 16*s.* Evening classes—59 students, who have paid 1*s.* 3*d.*, 6*s.*, and 10*s.* per quarter; total, 21*l.* 2*s.* 6*d.*

The total income of the school is returned as 161*l.* 4*s.* 6*d.*

One third grade prize was awarded to a student whose works were sent up for inspection, and 17 second grade prizes were awarded at the local examination.

Nine students sent 130 works to the annual examination in London. Payments were made on account of the works of 8 artizans.

At the public local examination of the school in March, 44 persons presented themselves for examination, of whom 34 were successful.

The school has expended from its own funds 4*l.* 10*s.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 42*l.* 7*s.* 4*d.*

CHELTENHAM.—(Population in 1861—39,590.)

Established in 1853. Situate at 45, Winchcomb Street.

The committee of management consists of 14 members, and the officers are:—

The Rev. T. W. Jex Blake, M.A., Chairman.
John Middleton, Secretary.
James P. Knight, Head-Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 346, showing a decrease of 1 since last year. This total includes 211 students of private schools, who paid 110*l.*; and 135 students who have attended the Central School, from whom 137*l.* 13*s.* have been received. The total amount of fees has been 247*l.* 13*s.*, showing an increase of 8*l.* 10*s.* over the sum received last year.

The attendance at the classes has been:—Day classes—53 students, who have paid 15*s.* and 21*s.* per quarter; total, 101*l.* 4*s.* 0*d.* Evening classes—82 students, who have paid 5*s.* and 7*s.* 6*d.* per quarter; total, 36*l.* 9*s.* 0*d.*

The total income of the school is returned as 307*l.* 19*s.*

Six third grade prizes were awarded to students whose works were sent up for inspection, and 10 second grade prizes were awarded at the local examination.

Forty-eight students sent 186 works to the annual examination in London. Payments were made on account of the works of 44 artizans.

At the public local examination of the school in March, 41 persons presented themselves for examination, of whom 24 were successful.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 71*l.* 8*s.* 4*d.*

CHESTER (with branch at Crewe).—(Population in 1861—31,101.)

Established in 1853. Situate at St. John's Street, Chester.

The committee of management consists of members, and the officers are:—

The Very Rev. The Dean of Chester, Chairman.
The Rev. Edward L. Y. Deacle, Secretary.
Walter Craister, Head-Master; 2 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 216, showing a decrease of 18 since last year. This total includes 124 students of private schools; and 92 students who have attended the Central School, from whom 67*l.* 2*s.* have been received, showing a decrease of 5*l.* 12*s.* from the sum received last year.

The attendance at the classes has been:—Day classes—7 students, who have paid 1*l.* 10*s.* per quarter, and an entrance fee of 10*s.*; total, 21*l.* 18*s.* Evening classes—49 students, who have paid 9*s.* and 6*s.* per month, and 3*s.* and 2*s*, entrance fees; total, 35*l.* 4*s.*

The total income of the school is returned as 137*l.* 12*s.*

Eight third grade prizes were awarded to students whose works were sent up for inspection, and 6 second grade prizes were awarded to students who were successful at the public examination of the school, which took place on the 9th and 10th March, and was attended by 41 candidates, of whom 24 succeeded in passing.

Fifty-three students sent 364 works to the annual examination in London. Payments were made on account of the works of 47 artizans.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 86*l.* 18*s.* 3*d.*

CHIPPENHAM.—(Population in 1861—5,396.)

Established in 1865. Situate at The New Hall.

The committee of management consists of 6 members, and the officers are:—

A. J. Keary, Esq., Mayor, Chairman.
John Wilson, M.A., Secretary.
Sidney Nesbitt, Head-Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 50, showing an increase of 10 since last year. The total amount of fees has been 43*l.* 11*s.*, showing a decrease of 18*l.* 4*s.* from the sum received last year.

The attendance at the classes has been:—Day classes—20 students, who have paid 3*l.* 3*s.* per annum; total, 15*l.* 17*s.* 6*d.* Evening classes—30 students, who have paid 5*s.* per quarter; total, 27*l.* 13*s.* 6*d.*

The total income of the school is returned as 87*l.* 11*s.* 10*d.*

Three third grade prizes were awarded to students whose works were sent up for inspection, and 7 second grade prizes were awarded at the local examination.

Appendix C. SCHOOLS OF ART.

Thirty-three students sent 248 works to the annual examination in London. Payments were made on account of the works of 26 artizans.

At the public local examination of the school in March, 21 persons presented themselves for examination of whom 17 were successful.

The total amount of aid afforded to the above school by the Department during the year 1869, has been 57*l.* 1*s.*, which includes a prize of 10*l.* to the head-master.

CIRENCESTER.—(Population in 1861—6,334.)

Established in 1860. Situate at Corn Hall Buildings, Dyer Street.

The committee of management consists of 16 members, and the officers are:—

The Right Hon. Earl Bathurst, President.
The Rev. J. Ogilvy Millar, Chairman.
Henry Zachary, Secretary.
James Miller, Head-Master; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 167, showing a decrease of 7 since last year. This total includes 70 students of private schools, who paid 60*l.*; and 97 students who have attended the Central School, from whom 67*l.* 3*s.* 6*d.* have been received. The total amount of fees has been 127*l.* 3*s.* 6*d.*, showing a decrease of 8*l.* 8*s.* 3*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—39 students, who have paid 10*s.* and 20*s.* per quarter; total, 42*l.* 8*s.* 6*d.* Evening classes—58 students, who have paid 2*s.* 6*d.* and 5*s.* per quarter; total, 24*l.* 15*s.*

The total income of the school is returned as 171*l.* 10*s.* 6*d.*

Two third grade prizes were awarded to students whose works were sent up for inspection, and 6 second grade prizes were awarded at the local examination.

Thirty-two students sent 54 works to the annual examination in London. Payments were made on account of the works of 24 artizans.

At the public local examination of the school in March, 31 persons presented themselves for examination, of whom 19 were successful.

An exhibition of the students' works took place in March, and was attended by 250 visitors.

The school has expended from its own funds 1*l.* 16*s.* 7*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869, has been 52*l.* 9*s.* 4*d.*

CLONMEL.—(Population in 1861—11,190.)

Established in 1854. Situate at the Mechanics' Institute, Anglesea Street.

The committee of management consists of 32 members, and the officers are:—

John Hackett, Alderman, Chairman.
P. J. Purcell, Secretary.
Edward A. Fraser, Head-Master; 2 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 36, showing an increase of 6

since last year. The total amount of fees has been 19*l.* 6*s.* 9*d.*, showing an increase of 2*l.* 12*s.* 10*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—6 students, who have paid 7*s.* 6*d.* per quarter; total, 5*l.* 2*s.* 9*d.* Evening classes—30 students, who have paid 5*s.* and 2*s.* 6*d.* per quarter; total, 14*l.* 4*s.*

The total income of the school is returned as 33*l.* 5*s.* 5*d.*

Nine students sent 59 works to the annual examination in London. Payments were made on account of the works of 6 artizans.

At the public local examination of the school in March, 15 persons presented themselves for examination, of whom 3 were successful.

The school has expended from its own funds 2*l.* 4*s.* 6*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 20*l.* 6*s.* 2*d.*

COALBROOKDALE.—(Population in 1861—15,662.)

Established in 1856. Situate at the Literary and Scientific Institute.

The committee of management consists of 25 members, and the officers are:—

Henry Dickinson, J.P., Chairman.
Edward L. Squire, Secretary.
Henry Woolner, Head-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 102, showing an increase of 3 since last year. The total amount of fees has been 85*l.* 5*s.*, showing an increase of 27*l.* 11*s.* 6*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—29 students, who have paid 12*s.* 6*d.* and 15*s.* per quarter; total, 50*l.* 12*s.* 6*d.* Evening classes—73 students, who have paid 3*s.* and 6*s.* per quarter; total, 34*l.* 11*s.* 6*d.*

The total income of the school is returned as 176*l.* 1*s.*

The school received 1 bronze medal and 2 Queen's prizes of books at the national competition; in addition to which 1 third grade prize was awarded to a student whose works were sent up for inspection, and 3 second grade prizes were awarded at the local examination.

Forty-three students sent 465 works to the annual examination in London. Payments were made on account of the works of 42 artizans.

At the public local examination of the school in March, 19 persons presented themselves for examination, of whom 11 were successful.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 107*l.* 12*s.* 9*d.*, which includes a prize of 30*l.* to the head-master.

CORK.—(Population in 1861—101,434.)

Established in 1850. Situate at Nelson Place.

The committee of management consists of 7 members, and the officers are:—

The Mayor, Chairman.
Thos. S. Duncombe, Secretary.
James Brenan, Head-Master; 4 certificates.

Appendix C. SCHOOLS OF ART.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 374, showing an increase of of 5 since last year. The total amount of fees has been 247*l.* 7*s.* 6*d.*, showing an increase of 48*l.* 2*s.* 6*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—149 students, who have paid 1*l.* per session; total, 185*l.* 12*s.* 6*d.* Evening classes—79 students, who have paid 10*s.* per session; total, 37*l.* 15*s.*

The total income of the school is returned as 512*l.* 4*s.* 6*d.*

The school received 1 bronze medal at the national competition; in addition to which 11 third grade prizes were awarded to students whose works were sent up for inspection, and 13 second grade prizes were awarded at the local examination.

Ninety-nine students sent 316 works to the annual examination in London. Payments were made on account of the works of 46 artizans.

At the public local examination of the school in March, 83 persons presented themselves for examination, of whom 49 were successful.

The school has expended from its own funds 6*l.* 3*s.* 9*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 111*l.* 18*s.* 6*d.*

COVENTRY.—(Population in 1861—41,647.)

Established in 1844. Situate at Ford Street.

The committee of management consists of 27 members, and the officers are:—

The Right Hon. Lord Leigh, Chairman.
John Gulson, Secretary.
John Anderson, Head-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 252, showing an increase of 33 since last year. This total includes 72 students of private schools, who paid 20*l.*, and 180 students who have attended the Central School, from whom 93*l.* 2*s.* 6*d.* have been received. The total amount of fees has been 113*l.* 2*s.* 6*d.*, showing an increase of 7*l.* 18*s.* 6*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—67 students, who have paid 2*s.* 6*d.* and 15*s.* per quarter; total, 50*l.* 13*s.* Evening classes—114 students, who have paid 2*s.* 6*d.* and 5*s.* per quarter; total, 42*l.* 9*s.* 6*d.*

The total income of the school is returned as 410*l.* 2*s.* 3*d.*

The school received 1 silver medal, 3 bronze medals, and 2 Queen's prizes of books at the national competition; in addition to which 8 third grade prizes were awarded to students whose works were sent up for inspection, and 9 second grade prizes were awarded at the local examination.

One hundred and one students sent 853 works to the annual examination in London. Payments were made on account of the works of 75 artizans.

At the public local examination of the school in March, 66 persons presented themselves for examination, of whom 48 were successful.

An exhibition of the students' works took place in October, and was attended by 1,500 visitors.

The school has expended from its own funds 42*l.* 3*s.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 145*l.* 17*s.* 2*d.*, which includes a prize of 20*l.* to the head-master.

CROYDON.—(Population in 1861—30,240.)

Established in 1869. Situate at the Literary and Scientific Institution, Addiscombe.

The committee of management consists of 9 members, and the officers are:—

A. Carpenter, M.D., Chairman.
H. T. Lanchester, M.D., Secretary.
Montague Wigzell, Head-Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 134, showing an increase of 48 since last year. The total amount of fees has been 222*l.* 6*s.* 6*d.*, showing an increase of 107*l.* 6*s.* 6*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—75 students, who have paid 21*s.* per quarter, and an entrance fee of 5*s.*; total, 170*l.* 14*s.* 6*d.* Evening classes—59 students, who have paid 21*s.* and 6*s.* per quarter, and 5*s.* and 2*s.* entrance fee; total, 51*l.* 12*s.* 6*d.*

The total income of the school is returned as 328*l.* 0*s.* 6*d.*

Six third grade prizes were awarded to students whose works were sent up for inspection, and 9 second grade prizes were awarded at the local examination.

Seventy-eight students sent 615 works to the annual examination in London. Payments were made on account of the works of 33 artizans.

At the public local examination of the school in March, 61 persons presented themselves for examination, of whom 47 were successful.

An exhibition of the students' works took place in December, and was attended by 800 visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 67*l.* 2*s.* 11*d.*

DARLINGTON.—(Population in 1861—26,109.)

Established in 1857. Situate at the Mechanics' Institute, Skinnergate.

The committee of management consists of 12 members, and the officers are:—

Henry Pease, Chairman.
J. C. I'Anson, Secretary.
Samuel Elton, Head-Master; 2 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 230, showing a decrease of 8 since last year. This total includes 60 students of private schools, who paid 95*l.*, and 165 students who have attended the Central School, from whom 123*l.* 2*s.* have been received. The total amount of fees has been 218*l.* 2*s.*, showing an increase of 12*l.* 14*s.* over the sum received last year.

The attendance at the classes has been:—Day classes—41 students, who have paid 15*s.* per quarter; total, 60*l.* 19*s.* Evening classes:—124 students, who have paid 7*s.* 6*d.* and 4*s.* per quarter, and 2*s.* entrance fee; total, 62*l.* 3*s.*

The total income of the school is returned as 354*l.* 16*s.*

Appendix C. SCHOOLS OF ART.

Two third grade prizes were awarded to students whose works were sent up for inspection, and 7 second grade prizes were awarded at the local examination.

Sixty-eight students sent 364 works to the annual examination in London. Payments were made on account of the works of 59 artizans.

At the public local examination of the school in March, 114 persons presented themselves for examination, of whom 57 were successful.

An exhibition of the students' works took place in January, and was attended by 500 visitors.

The school has expended from its own funds 7*l.* 17*s.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 90*l.* 0*s.* 7½*d.*

DEVIZES.—(Population in 1861—6,638.)

Established in 1864. Situate at the Council House (Assize Courts).

The committee of management consists of 8 members, and the officers are:—

Edward Clapham, Chairman.
Samuel Wittey, Secretary.
George Ryles, Head-Master; 2 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 64, showing a decrease of 1 since last year. This total includes 10 students of private schools, who paid 14*l.* 14*s.*; and 54 students who have attended the Central School, from whom 68*l.* 1*s.* 9*d.* have been received. The total amount of fees has been 82*l.* 15*s.* 9*d.*, showing an increase of 2*l.* 4*s.* over the sum received last year.

The attendance at the classes has been:—Day classes—24 students, who have paid 31*s.* 6*d.* per session, and an entrance fee of 2*s.* 6*d.*; total, 52*l.* 11*s.* 3*d.* Evening classes—30 students, who have paid 2*s.* per month, and 2*s.* 6*d.* entrance fee; total, 15*l.* 10*s.* 6*d.*

The total income of the school is returned as 142*l.* 19*s.* 7*d.*

Six third grade prizes were awarded to students whose works were sent up for inspection, and 3 second grade prizes were awarded at the local examination.

Thirty-five students sent 241 works to the annual examination in London. Payments were made on account of the works of 20 artizans.

At the public local examination of the school in March, 26 persons presented themselves for examination, of whom 13 were successful.

An exhibition of the students' works took place in October, and was attended by 620 visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 39*l.* 17*s.* 1*d.*

DEVONPORT.—(Population in 1861—50,504.)

Established in 1859. Situate at Duke Street.

The committee of management consists of 16 members, and the officers are:—

A Member of the Committee, Chairman.
J. C. Radford, Secretary.
Francis R. Robjohns, Head-Master; 3 certificates

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 92, showing a decrease of 16 since last year. The total amount of fees has been 26*l.* 6*s.* 3*d.*, showing a decrease of 33*l.* 7*s.* 9*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—23 students, who have paid 15*s.* or 10*s.* 9*d.* per quarter, and an entrance fees of 3*s.* and 5*s.* 3*d.*; total, 14*l.* 18*s.* Evening classes—69 students, who have paid 3*s.* 9*d.* per quarter, and 1*s.* 3*d.* entrance fee; total, 11*l.* 8*s.* 3*d.*

The total income of the school is returned as 87*l.* 10*s.* 3*d.*

Six third grade prizes were awarded to students whose works were sent up for inspection, and 1 second grade prize was awarded at the local examination.

Thirty-one students sent 155 works to the annual examination in London. Payments were made on account of the works of 30 artizans.

At the public local examination of the school in March, 21 persons presented themselves for examination, of whom 13 were successful.

An exhibition of the students' works took place in the Guildhall, and was attended by 4,750 visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 75*l.* 4*s.* 4*d.*

DORCHESTER.—(Population in 1861—6,823.)

Established in 1867. Situate at the Shire Hall.

The committee of management consists of 11 members, and the officers are:—

The Rev. J. Fisher, Chairman.
The Rev. B. Lucas Watson, Secretary.
J. A. D. Campbell, Head-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 74, showing a decrease of 6 since last year. The total amount of fees has been 11*l.* 4*s.* 8*d.*, showing a decrease of 8*l.* 8*s.* 10*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—51 students, who have paid 3*l.* 3*s.* and 2*l.* 2*s.* per annum; total, 101*l.* 11*s.* 8*d.* Evening classes—23 students, who have paid 1*l.* 1*s.* and 10*s.* per annum; total, 12*l.* 13*s.*

The total income of the school is returned as 164*l.* 10*s.* 2*d.*

One third grade prize was awarded to a student whose works were sent up for inspection, and 7 second grade prizes were awarded at the local examination.

Forty-nine students sent 414 works to the annual examination in London. Payments were made on account of the works of 14 artizans.

At the public local examination of the school in March, 44 persons presented themselves for examination, of whom 24 were successful.

An exhibition of the students' works took place, and was attended by 250 visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 28*l.* 11*s.* 8*d.*

DUBLIN (Royal Society's).—(Population in 1861—254,808.)

Established in 1849. Situate at Kildare Street.

The committee of management consists of 11 members, and the officers are:—

Lieut.-Col. J. S. Adamson, Chairman.
William E. Steele, Secretary.
Edwin Lyne, Head-Master; 4 certificates.
Mary Julyan, Art Mistress; 3 certificates.

Appendix C. SCHOOLS OF ART.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 535, showing an increase of 16 since last year. The total amount of fees has been 510*l.* 19*s.* 6*d.*, showing an increase of 49*l.* 5*s.* 5*d.* over the sum received last year.

The attendance at the classes has been :—Day classes—321 students, who have paid 1*s.* 6*d.*, 4*s.*, 10*s.* and 20*s.* per month, and an entrance fee of 2*s.* 6*d.*; total, 444*l.* 3*s.* Evening classes—214 students, who have paid 1*s.* 6*d.* and 3*s.* per month; total, 66*l.* 16*s.* 6*d.*

The total income of the school is returned as 797*l.* 15*s.*

The school received 1 "Princess of Wales" scholarship, 1 gold medal, 2 silver medals, 2 bronze medals, and 5 Queen's prizes of books at the national competition; in addition to which 22 third grade prizes were awarded to students whose works were sent up for inspection, and 34 second grade prizes were awarded at the local examination.

One student obtained a national scholarship during the year in the National Art Training School at South Kensington.

One hundred and sixty-nine students sent 414 works to the annual examination in London. Payments were made on account of the works of 144 artizans.

At the public local examination of the school in March, 169 persons presented themselves for examination, of whom 105 were successful.

An exhibition of the students' works took place in the School of Art, and was attended by 1,206 visitors.

The school has expended from its own funds 19*l.* 4*s.* 10*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 257*l.* 16*s.* 8*d.*, which includes a prize of 20*l.* to the head-master.

DUBLIN (Queen's Institute).—(Population in 1861—254,808.)

Established in 1869. Situate at 25, Molesworth Street.

The committee of management consists of 13 members, and the officers are—

Lord Talbot de Malahide, Chairman.
Miss A. B. Corlett, Secretary.
Arthur Jocelyn Mayne, Head-Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 135. The total amount of fees has been 188*l.* 10*s.* 3*d.*

The attendance at the classes has been :—Day classes—135 students, who have paid 10*s.* 6*d.* and 1*l.* 1*s.* per quarter; and an entrance fee of 2*s.* 6*d.*; total, 188*l.* 10*s.* 3*d.*

The total income of the school is returned as 535*l.* 11*s.* 3*d.*

The school has expended from its own funds 12*l.* 10*s.* 11*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869, has been 4*l.* 14*s.* 2¼*d.*

DUDLEY.—(Population in 1861—44,975.)

Established in 1853. Situate at Upper King Street.

The committee of management consists of 14 members, and the officers are :—

The Rev. J. C. Browne, D.C.L., Chairman.
George Smith, Secretary.
David Jones, Head-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 59, showing a decrease of 3 since last year. The total amount of fees has been 63*l.* 15*s.*, showing an increase of 12*l.* 10*s.* 6*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—14 students, who have paid 21*s.* and 15*s.* per quarter; total, 23*l.* 15*s.* 6*d.* Evening classes—49 students, who have paid 10*s.* and 5*s.* 6*d.* per quarter; total, 29*l.* 19*s.* 6*d.*

The total income of the school is returned as 159*l.* 17*s.* 2*d.*

Three third grade prizes were awarded to students whose works were sent up for inspection, and 3 second grade prizes were awarded at the local examination.

Seventeen students sent 67 works to the annual examination in London. Payments were made on account of the works of 14 artizans.

At the public local examination of the school in March, 14 persons presented themselves for examination, of whom 9 were successful.

The school has expended from its own funds 12*l.* 18*s.* 5*d.* on account of examples and fittings, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869, has been 28*l.* 5*s.* 1*d.*

DUNDEE.—(Population in 1861—90,425.)

Established in 1856. Situate at the High School, Euclid Crescent.

The committee of management consists of 15 members, and the officers are:—

William Thoms, Chairman.
A. W. Cumming, Secretary.
John Kennedy, Head-Master; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 561, showing an increase of 35 since last year. The total amount of fees has been 523*l.* 12*s.* 8*d.*, showing an increase of 36*l.* 1*s.* 1*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—313 students, who have paid 11*s.* and 13*s.* per quarter; total, 424*l.* 16*s.* 8*d.* Evening classes—248 students, who have paid 6*s.* per quarter; total, 98*l.* 16*s.*

The total income of the school is returned as 697*l.* 13*s.* 11*d.*

The school received 1 Queen's prize of books at the national competition; in addition to which 12 third grade prizes were awarded to students whose works were sent up for inspection, and 27 second grade prizes were awarded at the local examination.

One student obtained a national scholarship during the year in the National Art Training School at South Kensington.

At the examination in London one student obtained a certificate of the third grade.

Ninety-nine students sent 362 works to the annual examination in London. Payments were made on account of the works of 83 artizans.

At the public local examination of the school in March, 100 persons presented themselves for examination, of whom 62 were successful.

An exhibition of the students' works took place in July, and was attended by 2,000 visitors.

The school has expended from its own funds 6*s.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869, has been 19*l.* 1*s.* 3*d.*

Appendix C.

SCHOOLS OF ART.

DURHAM.—(Population in 1861—14,088.)

Established in 1853. Situate at Saddler Street.

The committee of management consists of 11 members, and the officers are:—

John Bramwell, Chairman.
The Rev. W. Greenwell, Secretary.
G. H. Newton, Head-Master; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 165, showing an increase of 57 since last year. This total includes 45 students of private schools, who paid 133*l.* 17*s.* 6*d.*, and 120 students who have attended the Central School, from whom 125*l.* 2*s.* 6*d.* have been received. The total amount of fees has been 259*l.*, showing an increase of 138*l.* 2*s.* 6*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—49 students, who have paid 1*l.* 1*s.* and 10*s.* 6*d.* per quarter, and an entrance fee of 1*s.*; total, 84*l.* 1*s.* 6*d.* Evening classes—71 students, who have paid 5*s.* per quarter, and 2*s.* per month, and 2*s.* entrance fee; total, 41*l.* 1*s.*

The total income of the school is returned as 324*l.* 15*s.*

Two third grade prizes were awarded to students whose works were sent up for inspection, and 9 second grade prizes were awarded at the local examination.

Thirty-one students sent 323 works to the annual examination in London. Payments were made on account of the works of 28 artizans.

At the public local examination of the school in March, 27 persons presented themselves for examination, of whom 26 were successful.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 46*l.* 2*s.* 6*d.*

EDINBURGH.—(Population in 1861—170,444.)

(Male School.)

Established in 1760. Affiliated with the Department of Science and Art in 1858. Situate at the Royal Institution, Princes Street.

The committee of management consists of:—

The Board of Manufacturers.
The Hon. B. F. Primrose, Secretary.
Charles D. Hodder, Head-Master; 2 certificates.
William A. Morley, Assistant-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 459, showing an increase of 47 since last year. The total amount of fees has been 388*l.* 2*s.* 6*d.*, showing an increase of 40*l.* 15*s.* over the sum received last year.

The attendance at the classes has been:—Day classes—77 students, who have paid 40*s.*, 30*s.*, and 20*s.* per session, and a month fee of 5*s.*; total, 139*l.* 5*s.* Evening classes—437 students, who have paid 10*s.* per session, and 2*s.* 6*d.* per month; total, 248*l.* 17*s.* 6*d.*

The total income of the school is returned as 621*l.* 4*s.* 6*d.*

The school received 1 silver medal, 3 bronze medals, and 8 Queen's prizes of books at the national competition; in addition to which 40 third grade prizes were awarded to students whose works were sent up for inspection, and 27 second grade prizes were awarded at the local examination.

Two hundred and forty students sent 1,574 works to the annual examination in London. Payments were made on account of the works of 223 artizans.

At the public local examination of the school in March, 126 persons presented themselves for examination, of whom 86 were successful.

An exhibition of the students' works took place in January, and was attended by 1,218 visitors.

The school has expended from its own funds 15*s.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 316*l.* 11*s.* 6*d.*, which includes a prize of 40*l.* to the head-master.

Edinburgh.

(Female School.)

Established in 1760. Affiliated with the Department of Science and Art 1858. Situate at the Royal Institution, Princes Street.

The committee of management consists of:—

The Board of Manufacturers.
The Hon. B. F. Primrose, Secretary.
Susan A. Ashworth, Art-Mistress; 2 certificates.
Isabella Byres, Assistant-Mistress.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 225, showing a decrease of 10 since last year. The total amount of fees has been 339*l.* 10*s.*, showing an increase of 26*l.* 12*s.* 6*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—123 students, who have paid 50*s.*, 40*s.*, 30*s.*, and 20*s.* per session, and a month fee of 5*s.* and 7*s.* 6*d.*; total, 263*l.* 17*s.* 6*d.* Evening classes—119 students, who have paid 10*s.* per session, and 2*s.* 6*d.* per month; total, 75*l.* 12*s.* 6*d.*

The total income of the school is returned as 478*l.* 12*s.*

The school received 2 bronze medals and 2 Queen's prizes of books at the national competition; in addition to which 11 third grade prizes were awarded to students whose works were sent up for inspection, and 14 second grade prizes were awarded at the local examination.

One hundred and seventy-one students sent 670 works to the annual examination in London. Payments were made on account of the works of 127 artizans.

At the public local examination of the school in March, 93 persons presented themselves for examination, of whom 57 were successful.

An exhibition of the students' works took place in January, and was attended by 1,218 visitors.

The school has expended from its own funds 15*s.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 179*l.* 9*s.* 1*d.*, which includes a prize of 20*l.* to the head-mistress.

Exeter.—(Population in 1861—41,769.)

Established in 1854. Situate at the Albert Memorial Building, Queen Street.

The committee of management consists of 20 members, and the officers are:—

The Right Hon. Sir Stafford H. Northcote, Bart., C.B., M.P., &c., Chairman.
William Cotton, Secretary.
James B. Birkmyer, Head-Master; 4 certificates.

Appendix C. SCHOOLS OF ART.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 288, showing an increase of 5 since last year. The total amount of fees has been 350*l.* 17*s.* 6*d.*, showing an increase of 17*l.* 2*s.* over the sum received last year.

The attendance at the classes has been:—Day classes—80 students, who have paid 1*l.* 1*s.* per quarter, and an entrance fee of 5*s.*; total, 178*l.* 17*s.* 6*d.* Evening classes—208 students, who have paid 10*s.* 6*d.* and 6*s.* per quarter, and 4*s.* and 2*s.* entrance fees; total, 172*l.*

The total income of the school is returned as 551*l.* 19*s.*

Ten third grade prizes were awarded to students whose works were sent up for inspection, and 15 second grade prizes were awarded at the local examination.

One hundred and sixty-eight students sent 500 works to the annual examination in London. Payments were made on account of the works of 122 artizans.

At the public local examination of the school in March, 115 persons presented themselves for examination, of whom 61 were successful.

An exhibition of the students' works took place in August, and was attended by many visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 150*l.* 8*s.* 7*d.*

FROME.—(Population in 1861—9,522.)

Established in 1865. Situate at North Parade.

The committee of management consists of 8 members, and the officers are:—

The Rev. J. S. H. Horner, Chairman.
John W. Singer, Secretary.
J. S. Goepel, Head-Master; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 123, showing an increase of 13 since last year. This total includes 30 students of private schools, who paid 21*l.*; and 93 students who have attended the Central School, from whom 69*l.* 9*s.* have been received. The total amount of fees has been 90*l.* 9*s.*, showing an increase of 20*l.* 5*s.* over the sum received last year.

The attendance at the classes has been:—Day classes—33 students, who have paid 15*s.* 9*d.* and 10*s.* per quarter; total, 40*l.* Evening classes—60 students, who have paid 6*s.* per quarter; total 29*l.* 9*s.*

The total income of the school is returned as 158*l.* 13*s.*

Seven third grade prizes were awarded to students whose works were sent up for inspection, and 13 second grade prizes were awarded at the local examination.

One student obtained a national scholarship during the year in the National Art Training School at South Kensington.

Fifty-five students sent 468 works to the annual examination in London. Payments were made on account of the works of 23 artizans.

At the public local examination of the school in March, 66 persons presented themselves for examination, of whom 34 were successful.

An exhibition of the students' works took place, and was attended by many visitors.

The school has expended from its own funds 10*l.* 18*s.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 117*l.* 2*s.* 8½*d.*, which includes a prize of 10*l.* to the head-master.

GLASGOW.—(Population in 1861—395,503.)

Established in 1845. Situate at Corporation Buildings.

The committee of management consists of 20 members, and the officers are :—

The Lord Provost, Chairman.
M. Bannatyne, Secretary.
Robert Greenlees, Head Master.
Banner, Alexander; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 1,364, showing an increase of 9 since last year. This total includes 200 students of private schools, who paid 100*l.*; and 1,164 students who have attended the Central School, from whom 891*l.* 16*s.* 6*d.* have been received. The total amount of fees has been 991*l.* 16*s.*, 6*d.*, showing an increase of 14*l.* 3*s.* 6*d.* over the sum received last year.

The attendance at the classes has been :—Day classes—393 students, who have paid 15*s.*, 10*s.*, 7*s.* 6*d.*, 5*s.*, 4*s.*, and 2*s.* per month, and an entrance fee of 2*s.* 6*d.*, 2*s.*, and 1*s.*; total, 538*l.* 18*s.* Evening classes —771 students, who have paid 7*s.*, 5*s.*, 4*s.*, 3*s.*, and 2*s.* per month, and 2*s.* and 1*s.* entrance fees; total, 352*l.* 18*s.* 6*d.*

The total income of the school is returned as 1,424*l.* 12*s.* 9*d.*

The school received 1 gold medal, 1 bronze medal and 1 Queen's prize of books at the national competition; in addition to which 19 third grade prizes were awarded to students whose works were sent up for inspection, and 28 second grade prizes were awarded at the local examination.

Two hundred and thirteen students sent 1,065 works to the annual examination in London. Payments were made on account of the works of 188 artizans.

At the public local examination of the school in March, 128 persons presented themselves for examination, of whom 87 were successful.

The school has expended from its own funds 6*l.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 319*l.* 4*s.* 1*d.*, which includes a prize of 20*l.* to the head-master.

GLOUCESTER.—(Population in 1861—16,512.)

Established in 1859. Situate at Long Smith Street.

The committee of management consists of 3 members, and the officers are :—

T. Gambier Parry, J.P., Chairman.
J. D. Thomas Niblett, Secretary.
John Kemp, Head-Master; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 140, showing a decrease of 1 since last year. The total amount of fees has been 177*l.* 13*s.* 6*d.*, showing an increase of 36*l.* 4*s.* over the sum received last year.

Appendix C. SCHOOLS OF ART.

The attendance at the classes has been:—Day classes—65 students, who have paid 20*s.* and 15*s.* per quarter; total, 127*l.* 4*s.* 6*d.* Evening classes—75 students, who have paid 10*s.*, 6*s.*, and 5*s.* per quarter; total, 50*l.* 9*s.*

The total income of the school is returned as 284*l.* 0*s.* 6*d.*

The school received 1 silver medal and 1 Queen's prize of books at the national competition; in addition to which 3 third grade prizes were awarded to students whose works were sent up for inspection, and 5 second grade prizes were awarded at the local examination.

Fifty-six students sent 377 works to the annual examination in London. Payments were made on account of the works of 44 artizans.

At the public local examination of the school in March, 50 persons presented themselves for examination, of whom 31 were successful.

An exhibition of the students' works took place in December, and was attended by 500 visitors.

The school has expended from its own funds 8*l.* 14*s.* 7*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 92*l.* 13*s.*, which includes a prize of 10*l.* to the head-master.

HALIFAX.—(Population in 1861—37,014.)

Established in 1859. Situate at the Mechanics' Institute.

The committee of management consists of 11 members, and the officers are:—

James Stansfeld, Chairman.
Chas. J. Fox, Secretary.
W. H. Stopford, Head-Master; 3 certificates.
Thos. Holland and J. Holgate, Assistant-Masters.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 163, showing an increase of 16 since last year. This total includes 40 students of private schools, who paid 30*l.*; and 123 students who have attended the Central School, from whom 141*l.* 8*s.* 6*d.* have been received. The total amount of fees has been 171*l.* 8*s.* 6*d.*, showing an increase of 30*l.* 6*s.* 3*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—46 students, who have paid 25*s.*, 21*s.*, and 5*s.* per quarter; total, 92*l.* 5*s.* 6*d.* Evening classes—77 students, who have paid 7*s.* 6*d.* per quarter; total, 49*l.* 3*s.*

The total income of the school is returned as 332*l.* 10*s.* 6*d.*

The school received 1 Queen's prize of books at the national competition; in addition to which 6 third grade prizes were awarded to students whose works were sent up for inspection, and 10 second grade prizes were awarded at the local examination.

Two students obtained national scholarships during the year in the National Art Training School at South Kensington.

Seventy-three students sent 468 works to the annual examination in London. Payments were made on account of the works of 67 artizans.

At the public local examination of the school in March, 63 persons presented themselves for examination, of whom 34 were successful.

An exhibition of the students' works took place in December, and was attended by 1,000 visitors.

The school has expended from its own funds 1*l.* 5*s.* 8*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 150*l.* 0*s.* 1*d.*, which includes a prize of 20*l.* to the head-master.

HANLEY.—(Population in 1861—31,953.)

Established in 1847. Situate at Pall Mall.

The committee of management consists of 18 members, and the officers are:—

F. Wedgwood, Chairman.
E. Powell, Secretary.
J. Carter, Head-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of the school during 1869 has been 158, showing a decrease of 10 since last year. The total amount of fees has been 90*l.* 13*s.* 6*d.*, showing a decrease of 8*l.* 4*s.* from the sum received last year.

The attendance at the classes has been:—Day classes—12 students, who have paid 6*s.*, 2*s.*, and 1*s.* 6*d.* per month; total, 15*l.* Evening classes—146 students, who have paid 1*s.* 6*d.* and 2*s.* per month; total, 75*l.* 13*s.* 6*d.*

The total income of the school is returned as 384*l.* 1*s.* 6*d.*

The school received 1 bronze medal and 2 Queen's prizes of books at the national competition; in addition to which 6 third grade prizes were awarded to students whose works were sent up for inspection, and 2 second grade prizes were awarded at the local examination.

One hundred and thirteen students sent 573 works to the annual examination in London. Payments were made on account of the works of 102 artizans.

At the public local examination of the school in March, 49 persons presented themselves for examination, of whom 25 were successful.

An exhibition of the students' works took place in April, and was attended by 350 visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 was 131*l.* 5*s.* 10*d.*, which includes a prize of 10*l.* to the head-master.

HENLEY-ON-THAMES.—(Population in 1861—5,437.)

Established in 1864. Situate at Waterside.

The committee of management consists of 10 members, and the officers are:—

Charles Lane, Chairman.
John Cooper, Secretary.
Charles R. Havell, Head-Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 36, showing an increase of 12 since last year. The total amount of fees has been 31*l.* 12*s.* 3*d.*, showing an increase of 2*l.* 18*s.* 9*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—11 students, who have paid 21*s.* and 15*s.* per quarter; total, 26*l.* 15*s.* Evening classes—25 students, who have paid 2*s.* 6*d.* per quarter; total, 4*l.* 17*s.* 3*d.*

The total income of the school is returned as 42*l.* 12*s.* 11*d.*

Two third grade prizes were awarded to students whose works were sent up for inspection, and 1 second grade prize was awarded at the local examination.

Appendix C. SCHOOLS OF ART.

Fifteen students sent 85 works to the annual examination in London. Payments were made on account of the works of 13 artizans.

At the public local examination of the school in March, 17 persons presented themselves for examination of whom 8 were successful.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 12*l.* 11*s.* 8*d.*

HULL.—(Population in 1861—98,994.)

Established in 1861. Situate at Kingston Square.

The committee of management consists of 14 members, and the officers are:—

Rev. H. W. Kemp, Chairman.
Thomas Rowney, Secretary.
Edwin Chandler, Head-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 275, showing a decrease of 4 since last year. This total includes 38 students of private schools, who paid 44*l.* 2*s.* 6*d.*; and 237 students who have attended the Central School, from whom 202*l.* 19*s.* 3*d.* have been received. The total amount of fees has been 247*l.* 1*s.* 9*d.*, showing a decrease of 3*l.* 17*s.* 3*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—33 students, who have paid 22*s.* 6*d.* and 36*s.* per quarter, and an entrance fee of 7*s.* 6*d.*; total, 71*l.* 5*s.* 9*d.* Evening classes:—204 students, who have paid 12*s.*, 9*s.*, and 6*s.* per quarter, and 2*s.* 6*d.* and 2*s.* entrance fees; total, 131*l.* 13*s.* 6*d.*

The total income of the school is not reported.

Six third grade prizes were awarded to students whose works were sent up for inspection, and 7 second grade prizes were awarded at the local examination.

Seventy-three students sent 458 works to the annual examination in London. Payments were made on account of the works of 49 artizans.

At the public local examination of the school in March, 70 persons presented themselves for examination, of whom 48 were successful.

The school has expended from its own funds 12*l.* 15*s.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 107*l.* 8*s.* 4*d.*

INVERNESS.—(Population in 1861—12,499.)

Established in 1865. Situate at the High School.

The committee of management consists of 27 members, and the officers are:—

Alexander Simpson, Chairman.
G. Galloway, Secretary.
Robert Pratt, Head-Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 108, showing a decrease of 6 since last year. This total includes 23 students of private schools, who paid 12*l.*; and 85 students who have attended the Central School, from whom 55*l.* 10*s.* have been received. The total amount of fees has been 67*l.* 10*s.*, showing an increase of 2*l.* over the sum received last year.

The attendance at the classes has been:—Day classes—32 students, who have paid 5*s.*, 7*s.* 6*d.*, and 10*s.* 6*d.* per quarter; total, 36*l.* Evening classes—53 students, who have paid 4*s.* and 6*s.* per quarter; total, 19*l.* 10*s.*

The total income of the school is returned as 100*l.* 14*s.*

Two third grade prizes were awarded to students whose works were sent up for inspection, and 4 second grade prizes were awarded at the local examination.

Fifteen students sent 79 works to the annual examination in London. Payments were made on account of the works of 14 artizans.

At the public local examination of the school in March, 37 persons presented themselves for examination, of whom 14 were successful.

An exhibition of the students' works took place in June, and was attended by 200 visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 was 26*l.* 8*s.* 5*d.*

INVERNESS (Royal Academy).—(Population 1861—12,499.)

Established in 1869. Situate at Academy Street.

The committee of management consists of 9 members, and the officers are—

W. H. Thomson, Chairman.
A. Penrose Hay, Secretary.
W. S. Duncan, Head-Master; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 150. The total amount of fees has been 116*l.* 16*s.* 6*d.*

The attendance at the classes has been:—Day classes—140 students, who have paid 10*s.* 6*d.* and 8*s.* per quarter; total, 113*l.* 18*s.* Evening classes—10 students, who have paid 10*s.* 6*d.*, 6*s.*, and 3*s.* per quarter; total, 2*l.* 18*s.* 6*d.*

The total income of the school is returned as 116*l.* 16*s.* 6*d.*

The school has expended from its own funds 2*l.* 18*s.* 6*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

No examination of this school, which was opened in October, took place in 1869.

IPSWICH.—(Population in 1861—39,949.)

Established in 1858. Situate at Northgate Street.

The committee of management consists of 13 members, and the officers are:—

The Rev. C. H. Gaye, Chairman.
G. C. E. Bacon, Secretary.
W. T. Griffiths, Head-Master; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 314, showing an increase of 63 since last year. This total includes 128 students of private schools, who paid 10*l.*; and 186 students who have attended the Central School, from whom 126*l.* 2*s.* 4*d.* have been received. The total amount of fees has been 136*l.* 2*s.* 4*d.*, showing an increase of 39*l.* 9*s.* 10*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—47 students, who have paid 1*l.* 1*s.* and 12*s.* 6*d.* per quarter, and an entrance fee of

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5*s.* 3*d.*; total, 63*l.* 19*s.* 10*d.* Evening classes—139 students, who have paid 5*s.*, 6*s.* 3*d.*, and 7*d.* per quarter, and 2*s.* and 2*s.* 6*d.* entrance fees; total, 62*l.* 2*s.* 6*d.*

The total income of the school is returned as 213*l.* 16*s.* 11*d.*

Ten third grade prizes were awarded to students whose works were sent up for inspection, and 5 second grade prizes were awarded at the local examination.

Eighty-two students sent 459 works to the annual examination in London. Payments were made on account of the works of 56 artizans.

At the public local examination of the school in March, 146 persons presented themselves for examination, of whom 45 were successful.

An exhibition of the students' works took place in March, and was attended by many visitors.

The school has expended from its own funds 4*l.* 9*s.* 6*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 98*l.* 5*s.* 10*d.*, which includes a prize of 10*l.* to the head-master.

KIDDERMINSTER.—(Population in 1861—15,398.)

Established in 1862. Situate at Vicar Street.

The committee of management consists of 12 members, and the officers are:—

John Brinton, Chairman.
J. K. Harvey, Secretary.
Joseph Kennedy, Head-Master; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 101, showing an increase of 3 since last year. This total includes 24 students of private schools, who paid 48*l.*; and 77 students who have attended the Central School, from whom 59*l.* 12*s.* 6*d.* have been received. The total amount of fees has been 107*l.* 12*s.* 6*d.*, showing an increase of 23*l.* 8*s.* over the sum received last year.

The attendance at the classes has been:—Day classes—12 students, who have paid 21*s.* per quarter; total, 24*l.* 3*s.* Evening classes—65 students, who have paid 5*s.* 6*d.* per quarter; total, 35*l.* 9*s.* 6*d.*

The total income of the school is returned as 291*l.* 19*s.* 6*d.*

The school received 1 gold medal, and 2 bronze medals, at the national competition; in addition to which 7 third grade prizes were awarded to students whose works were sent up for inspection, and 4 second grade prizes were awarded at the local examination.

Thirty-six students sent 124 works to the annual examination in London. Payments were made on account of the works of 35 artizans.

At the public local examination of the school in March, 55 persons presented themselves for examination, of whom 23 were successful.

An exhibition of the students' works took place in January, and was attended by 500 visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 126*l.* 9*s.* 7*d.*, which includes a prize of 20*l.* to the head-master.

KILMARNOCK.—(Population in 1861—20,968.)

Established in 1867. Situate at No. 4, Queen Street.

The committee of management consists of 8 members, and the officers are:—

John Dickie, Chairman.
William Railton, Secretary.
F. M. Black, Head-Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 160, showing an increase of 3 since last year. The total amount of fees has been 120*l.* 16*s.* 6*d.*, showing an increase of 2*l.* 1*s.* 8*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—85 students, who have paid 6*s.* 6*d.*, 8*s.* 6*d.*, 10*s.* 6*d.*, and 12*s.* 6*d.* per quarter; total, 88*l.* 12*s.* 8*d.* Evening classes—75 students, who have paid 4*s.* and 6*s.* per quarter; total, 32*l.* 3*s.* 10*d.*

The total income of the school is returned as 200*l.* 16*s.* 6*d.*

The school received 1 Queen's prize of books at the national competition; in addition to which 5 third grade prizes were awarded to students whose works were sent up for inspection, and 12 second grade prizes were awarded at the local examination.

Sixty-eight students sent 339 works to the annual examination in London. Payments were made on account of the works of 44 artizans.

At the public local examination of the school in March, 74 persons presented themselves for examination, of whom 32 were successful.

An exhibition of the students' works took place, and was attended by upwards of 2,000 visitors.

The school has expended from its own funds 1*l.* 19*s.* 6*d.* on account of examples, besides the local expenses for rent, cleaning, firing lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 99*l.* 13*s.* 0½*d.*

LANCASTER.—(Population in 1861—14,487.)

Established in 1856. Situate at Castle Hill, Market Street.

The committee of management consists of 21 members, and the officers are:—

W. Roper, Mayor, Chairman.
W. Storey, Secretary.
Herbert Gilbert, Head-Master; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 330, showing a decrease of 3 since last year. This total includes 45 students of private schools, who paid 20*l.*, and 285 students who have attended the Central School, from whom 259*l.* 15*s.* have been received. The total amount of fees has been 279*l.* 15*s.*, showing an increase of 10*l.* 10*s.* over the sum received last year.

The attendance at the classes has been:—Day classes—236 students, who have paid 5*s.* and 10*s.* 6*d.* per quarter; total, 252*l.* 8*s.* Evening classes—94 students, who have paid 1*s.* 3*d.*, 2*s.* 6*d.*, 5*s.*, and 10*s.* 6*d.* per quarter; total, 27*l.* 7*s.*

The total income of the school is returned as 338*l.* 5*s.* 4*d.*

Seven third grade prizes were awarded to students whose works were sent up for inspection, and 10 second grade prizes were awarded at the local examination.

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One hundred and twenty-six students 784 works to the annual examination in London. Payments were made on account of the works of 78 artizans.

At the public local examination of the school in March, 108 persons presented themselves for examination, of whom 51 were successful.

An exhibition of the students' works took place in November, and was attended by many visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 70*l.* 10*s.*

LEEDS (Mechanics' Institution).—(Population in 1861—207,153.)

Established in 1847. Situate at Cookridge Street.

The committee of management consists of 24 members, and the officers are:—

J. D. Luccock, Chairman.
H. Wardman, Secretary.
R. C. Puckett, Head-Master; 6 certificates.
J. W. Palliser, Assistant Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 500, showing an increase of 236 since last year. This total includes 245 students of private schools, who paid 75*l.*; and 255 students who have attended the Central School, from whom 166*l.* 10*s.* 5*d.* have been received. The total amount of fees has been 241*l.* 10*s.* 5*d.*, showing an increase of 3*l.* over the sum received last year.

The attendance at the classes has been:—Day classes—80 students, who have paid 5*s.* to 21*s.* per quarter; total, 90*l.* 3*s.* 8*d.* Evening classes—175 students, who have paid 2*s.* 6*d.* to 21*s.* per quarter; total, 76*l.* 6*s.* 9*d.*

The total income of the school is returned as 476*l.* 9*s.* 11*d.*

The school received 1 Queen's prize of books at the national competition; in addition to which 18 third grade prizes were awarded to students whose works were sent up for inspection, and 29 second grade prizes were awarded at the local examination.

One hundred and eleven students sent 913 works to the annual examination in London. Payments were made on account of the works of 92 artizans.

At the public local examination of the school in March, 184 persons presented themselves for examination, of whom 87 were successful.

The school has expended from its own funds 16*l.* 16*s.* 2*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 297*l.* 14*s.* 6¾*d.*, which includes a prize of 20*l.* to the late head master, W. Smith.

LEEDS (School of Art and Science).—(Population in 1861—207,153.)

Established in 1869. Situate at 9, South Parade.

The committee of management consists of 8 members, and the officers are:—

Rev. W. G. Henderson, D.C.L., Chairman.
G. H. Nussey, Secretary.
Walter Smith, Head-Master; 5 certificates.
Andrew Stevenson, Assistant Master; 2 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 105. The total amount of fees has been 69*l.* 4*s.* 3*d.*

The attendance at the classes has been:—Day classes—52 students, who have paid 21*s.* and 5*s.* per quarter; total, 40*l.* 19*s.* Evening classes—53 students, who have paid 10*s.* 6*d.* and 5*s.* per quarter; total, 19*l.* 5*s.*, 3*d.*

The total income of the school is returned as 142*l.* 4*s.* 3*d.*

No examination of the school, which was opened in August, took place in 1869.

The school has expended from its own funds 40*l.* 10*s.* 6*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 12*l.* 19*s.* 5*d.*

LEITH.—(Population in 1861—36,029.)

Established in 1869. Situate at Cromwell House.

The committee of management consists of 10 members, and the officers are:—

James Watt, Chairman.
The Rev. J. Thomson, Secretary,
Robert L. Bain, Head-Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 76. This total includes 30 students of private schools, and 46 students who have attended the Central School, from whom 14*l.* 14*s.*, the total amount of fees, has been received.

The attendance at the classes has been:—Day classes—2 students, who have paid 3*s.* 6*d.* and 5*s.* per month; total, 1*l.* 14*s.* Evening classes—44 students, who have paid 2*s.* per month; total, 13*l.*

The total income of the school is returned as 14*l.* 14*s.*

No examination of the school, which was opened in October, took place in 1869.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 31*l.* 17*s.* 2½*d.*

LEWES.—(Population in 1861—10,116.)

Established in 1868. Situate at The Fitzroy Memorial Library and the West Street Lecture Room.

The committee of management consists of 18 members, and the officers are:—

B. Godlee, Chairman.
The Rev. P. De Putron, } Secretaries.
Charles Parsons, }
Alexander Fisher, Head-Master; 5 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 92, being the same as in last year. This total includes 24 students of private schools who paid 20*l.*, and 68 students who have attended the Central School, from whom 114*l.* 18*s.* have been received. The total amount of fees has been 134*l.* 18*s.*, showing an increase of 29*l.* 9*s.* over the sum received last year.

The attendance at the classes has been:—Day classes—43 students, who have paid 30*s.* and 20*s.* per session; total, 100*l.* 1*s.* Evening

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classes—25 students, who have paid 3*s.* and 2*s.* per month, and 1*s.* entrance fee; total, 14*l.* 17*s.*

The total income of the school is returned as 163*l.* 11*s.*

Six third grade prizes were awarded to students whose works were sent up for inspection, and 6 second grade prizes were awarded at the local examination.

Thirty-two students sent 334 works to the annual examination in London. Payments were made on account of the works of 17 artizans.

At the public local examination of the school in March, 68 persons presented themselves for examination, of whom 47 were successful.

An exhibition of the students' works took place in August, and was attended by many visitors.

The school has expended from its own funds 9*l.* 18*s.* 4*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 50*l.* 13*s.* 9½*d.*

LIMERICK.—(Population in 1861—46,320.)

Established in 1852. Situate at the Athenæum.

The committee of management consists of 6 members, and the officers are:—

William Spillane, Chairman.
Jerome Connihan, Secretary.
Nicholas A. Brophy, Head-Master; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 132, showing a decrease of 2 since last year. The total amount of fees has been 120*l.* 12*s.* 2*d.*, showing a decrease of 12*l.* 3*s.* 6*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—32 students, who have paid 20*s.* and 25*s.* per quarter; total, 73*l.* 16*s.* Evening classes—100 students, who have paid 10*s.*, 5*s.*, 2*s.* 6*d.*, and 1*s.* per quarter, and 2*s.* 6*d.* and 1*s.* entrance fees; total, 46*l.* 16*s.* 2*d.*

The total income of the school is returned as 172*l.* 4*s.* 2*d.*

Twelve third grade prizes were awarded to students whose works were sent up for inspection, and 5 second grade prizes were awarded at the local examination.

Sixty-seven students sent 305 works to the annual examination in London. Payments were made on account of the works of 45 artizans.

At the public local examination of the school in March, 38 persons presented themselves for examination, of whom 24 were successful.

The school has expended from its own funds 5*s.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 59*l.* 15*s.* 8*d.*

LINCOLN.—(Population in 1861—20,995.)

Established in 1863. Situate at Silver Street.

The committee of management consists of 16 members, and the officers are:—

Joseph Ruston, Mayor, Chairman.
The Rev. J. Somerville Gibney, Secretary.
Edward R. Taylor, Head-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 246, showing an increase of 26 since last year. This total includes 40 students of the Training School, who paid 20*l.*, and 206 students who have attended the Central School, from whom 202*l.* 2*s.* 6*d.* have been received. The total amount of fees, including 26*l.* received from public schools, has been 248*l.* 2*s.* 6*d.*, showing an increase of 99*l.* 5*s.* 10*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—75 students, who have paid 10*s.* to 20*s.* per quarter, and an entrance fee of 4*s.* and 6*s.*; total, 104*l.* 8*s.* 6*d.* Evening classes—172 students, who have paid 1*s.* 3*d.*, 5*s.*, and 7*s.* 6*d.* per quarter, and 2*s.* and 4*s.* entrance fee; total, 97*l.* 14*s.*

The total income of the school is returned as 479*l.* 11*s.*

The school received 1 bronze medal and 3 Queen's prizes of books at the national competition; in addition to which 18 third grade prizes were awarded to students whose works were sent up for inspection, and 17 second grade prizes were awarded at the local examination.

One hundred and sixty-three students sent 1,331 works to the annual examination in London. Payments were made on account of the works of 146 artizans.

At the public local examination of the school in March, 156 persons presented themselves for examination, of whom 63 were successful.

An exhibition of the students' works took place in December, and was attended by over 1,000 visitors.

The school has expended from its own funds 24*l.* 19*s.* 1*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 261*l.* 10*s.*, which includes a prize of 30*l.* to the head-master.

LIVERPOOL (North District).—(Population in 1861—443,874.)

Established in 1855. Situate at Shaw Street, Everton.

The committee of management consists of 11 members, and the officers are:—

The Rev. George Butler, M.A., Chairman.
J. Gregory Jones, Secretary.
W. J. Bishop, Head-Master.
Samuel Burkinshaw, Assistant-Master; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 684, showing a decrease of 7 since last year. This total includes 133 students of private schools, who paid 70*l.*; and 551 students who have attended the Central School, from whom 346*l.* 14*s.* 4*d.* have been received. The total amount of fees has been 416*l.* 14*s.* 4*d.*, showing a decrease of 25*l.* 17*s.* 4*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—406 students, who have paid various sums per quarter; total, 303*l.* 4*s.* 4*d.* Evening classes—145 students, who have paid various sums per quarter; total, 43*l.* 10*s.*

The total income of the school is returned as 457*l.* 10*s.* 1*d.*

Two third grade prizes were awarded to students whose works were sent up for inspection, and 15 second grade prizes were awarded at the local examination.

Thirty-one students sent 173 works to the annual examination in London. Payments were made on account of the works of 28 artizans.

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At the public local examination of the school in March, 144 persons presented themselves for examination, of whom 85 were successful.

An exhibition of the students' works took place in December, and was attended by 1,130 visitors.

The school has expended from its own funds 1*l.* 7*s.* 9*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 55*l.* 6*s.* 7½*d.*

LIVERPOOL (South District).—(Population in 1861—443,874.)

Established in 1855. Situate at Mount Street, Liverpool.

The committee of management consists of 11 members, and the officers are:—

Philip H. Holt, Chairman.
Charles Sharp, Secretary.
John Finnie, Head-Master; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 550, showing a decrease of 5 since last year. The total amount of fees has been 269*l.* 8*s.* 5*d.*, showing a decrease of 19*l.* 7*s.* 8*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—337 students, who have paid 28*s.*, 14*s.*, and 2*s.* per term; total, 195*l.* 2*s.* 4*d.* Evening classes—213 students, who have paid 6*s.* 6*d.* and 3*s.* 3*d.* per quarter; total, 74*l.* 6*s.* 1*d.*

The total income of the school is returned as 370*l.* 15*s.* 5*d.*

The school received 2 Queen's prizes of books at the national competition; in addition to which 12 third grade prizes were awarded to students whose works were sent up for inspection, and 12 second grade prizes were awarded at the local examination.

Ninety-three students sent 440 works to the annual examination in London. Payments were made on account of the works of 81 artizans.

At the public local examination of the school in March, 183 persons presented themselves for examination, of whom 57 were successful.

The school has expended from its own funds 2*l.* 8*s.* 10*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 106*l.* 19*s.* 9*d.*

MACCLESFIELD.—(Population in 1861—36,095.)

Established in 1851. Situate at Park Green.

The committee of management consists of 40 members, and the officers are:—

The Mayor of Macclesfield, President.
G. W. Clarke, Secretary.
James Ford, Head-Master; 5 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during the year 1869 has been 148, showing an increase of 8 since last year. This total includes 35 students of private schools, who paid 53*l.* 17*s.*; and 113 students who have attended the Central School, from whom 62*l.* 15*s.* have been received. The total amount of fees has been 116*l.* 12*s.*, showing a decrease of 12*l.* 8*s.* 6*d.*, from the sum received last year.

The attendance at the classes has been:—Day classes—18 students, who have paid 4*s.* per month; total, 21*l.* 16*s.* Evening classes—93 students, who have paid 1*s.* 6*d.* per month; total, 40*l.* 19*s.* No entrance fees are charged.

The total income of the school is returned as 219*l.* 12*s.*

The school received 1 Queen's prize of books at the national competition, and 2 third grade prizes were awarded to students whose works were sent up for inspection; in addition to which 15 second grade prizes were awarded to successful candidates at the public examination of the school, which took place in March, when 79 persons presented themselves for examination, of whom 49 succeeded in passing.

Nineteen students sent 29 works to the annual examination in London. Payments were made on account of the works of 7 artizans.

An exhibition of the students' works took place in November, and was attended by 550 visitors.

The school has expended from its own funds 10*s.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 was 85*l.* 4*s.* 5*d.*

MANCHESTER (Free Grammar School).—(Population in 1861—338,346.)

Established in 1869. Situate at Long Millgate.

The committee of management consists of 9 members, and the officers are—

Sir E. Armitage, Knight, Chairman.
S. H. Hodson, Secretary.
Z. Pritchard, Head-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 324. The total amount of fees has been 4*l.* 16*s.*

The attendance at the classes has been:—Evening classes—12 students, who have paid 6*s.* per quarter, and 2*s.* entrance fee; total, 4*l.* 16*s.*

The total income of the school is returned as 120*l.* 10*s.*

No examination of the school, which was opened in June, took place in 1869.

The school has expended from its own funds 15*l.* 8*s.* 4*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 3*l.* 3*s.*

MANCHESTER.—(Population in 1861—338,346.)

Established in 1842. Situate at the Royal Institution, Bond Street.

The committee of management consists of 15 members, and the officers are:—

Thomas Barge, Chairman.
Richard Aspden, Secretary.
W. J. Muckley, Head-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 420, showing a decrease of 85 since last year. This total includes 30 students of private schools, who paid 25*l.*; and 390 students who have attended the Central School, from whom 695*l.* 0*s.* 6*d.* have been received. The total amount of fees

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has been 720*l.* 0*s.* 6*d.*, showing an increase of 52*l.* 2*s.* 9*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—171 students, who have paid from 6*s.* to 42*s.* per quarter, and an entrance fee of 2*s.* 6*d.* to 10*s.* 6*d.*; total, 476*l.* 8*s.* 6*d.* Evening classes—280 students, who have paid 4*s.* to 10*s.* 6*d.* per quarter, and 2*s.* and 3*s.* entrance fees; total, 218*l.* 12*s.*

The total income of the school is returned as 1,209*l.* 13*s.* 8*d.*

The school received 4 bronze medals and 5 Queen's prizes of books at the national competition; in addition to which 35 third grade prizes were awarded to students whose works were sent up for inspection, and 17 second grade prizes were awarded at the local examination.

One hundred and sixteen students sent 426 works to the annual examination in London. Payments were made on account of the works of 87 artizans.

At the public local examination of the school in March, 149 persons presented themselves for examination, of whom 66 were successful.

An exhibition of the students' works took place in December, and was attended by many visitors.

The school has expended from its own funds 8*l.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 170*l.* 3*s.* 7*d.*, which includes a prize of 20*l.* to the head-master.

METROPOLIS.—(Population in 1861—2,803,034.)

An account of the District Schools which receive instruction in drawing under the superintendence of the Head-Master of the National Art Training School, and which are practising schools for the masters and mistresses in training, will be found in the Head-Master's report, page 302. In addition to these, the following Schools of Art have been established in London:—

BLOOMSBURY.

Established 1842. Situate at 43, Queen Square.

The committee of management consists of 16 members, and the officers are:—

The Rev. A. W. Thorold, President.
The Rev. E. Bayley, Chairman.
Leonard R. Valpy, Secretary.
Louisa Gann, Head-Mistress; 1 certificate.
Helena Wilson, Assistant Mistress; 3 certificates.
Laure de la Belinaye, Assistant-Mistress; 1 certificate.
Naomi Burrell, Teacher of the Modelling Class.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 167, showing an increase of 9 since last year. The total amount of fees has been 604*l.* 3*s.* 6*d.*, showing an increase of 36*l.* 12*s.* over the sum received last year.

The attendance at the classes has been:—Day classes—125 students, who have paid from 2*s.* 6*d.* to 20*s.* per month, and an entrance fee of 5*s.*; total, 563*l.* 16*s.* 6*d.* Evening classes—37 students, who have paid from 2*s.* to 4*s.* per month, and 5*s.* entrance fee; total, 40*l.* 7*s.*

The total income of the school is returned as 828*l.* 18*s.* 9*d.*

The school received 1 silver medal and 5 Queen's prizes of books at the national competition; in addition to which 17 third grade prizes were awarded to students whose works were sent up for inspection, and 23 second grade prizes were awarded at the local examination.

Five students obtained certificates of the third grade at the examination in London.

One hundred and two students sent 1,651 works to the annual examination in London. Payments were made on account of the works of 85 artizans.

At the public local examination of the school in March, 83 persons presented themselves for examination, of whom 36 were successful.

An exhibition of the students' works took place in December, and was attended by 593 visitors.

The school has expended from its own funds 4*l.* 14*s.* 4*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 258*l.* 17*s.* 2½*d.*, which includes a prize of 40*l.* to the head-mistress.

Lambeth.

Established in 1854. Situate at Miller's Lane, Upper Kennington Lane.

The committee of management consists of 14 members, and the officers are:—

The Rev. R. Gregory, Chairman.
The Rev. G. W. Herbert, Secretary.
John Sparkes, Head-Master; 4 certificates.
Edwin Bale, Assistant-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 318, showing a decrease of 61 since last year. The total amount of fees has been 262*l.* 16*s.* 9*d.*, showing a decrease of 18*l.* 16*s.* 6*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—62 students, who have paid 30*s.* per quarter; total, 124*l.* 16*s.* 6*d.* Evening classes—256 students, who have paid 7*s.* 6*d.* per quarter, and 2*s.* 6*d.* entrance fee; total, 138*l.* 0*s.* 3*d.*

The total income of the school is returned as 490*l.* 10*s.* 9*d.*

The school received 1 gold medal, 1 silver medal, 3 bronze medals, and 1 Queen's prize of books at the national competition; in addition to which 7 third grade prizes were awarded to students whose works were sent up for inspection, and 24 second grade prizes were awarded at the local examination.

One student obtained a certificate of the third grade at the examination in London.

One hundred and eight students sent 518 works to the annual examination in London. Payments were made on account of the works of 105 artizans.

At the public local examination of the school in March, 124 persons presented themselves for examination, of whom 81 were successful.

The school has expended from its own funds 31*l.* 5*s.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 258*l.* 19*s.* 5*d.*, which includes a prize of 20*l.* to the head-master.

Appendix C.

SCHOOLS OF ART.

NORTH LONDON.

Established in 1868. Situate at Sandringham Road, Kingsland.

The committee of management consists of 11 members, and the officers are:—

The Rev. J. W. Aveling, Chairman.
W. Iliffe, Secretary.
Charles Swinstead, Head-Master; 2 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 108, showing a decrease of 17 since last year. The total amount of fees has been 105*l.* 13*s.* 4*d.*, showing an increase of 59*l.* 10*s.* over the sum received last year.

The attendance at the classes has been:—Day classes—32 students, who have paid 15*s.* and 21*s.* per quarter; total, 44*l.* 8*s.* 6*d.* Evening classes—76 students, who have paid 7*s.* 6*d.* and 15*s.* per quarter, and 2*s.* 6*d.* entrance fee; total, 61*l.* 4*s.* 10*d.*

The total income of the school is returned as 168*l.* 2*s.* 4*d.*

Two third grade prizes were awarded to students whose works were sent up for inspection, and 10 second grade prizes were awarded at the local examination.

Fifty-seven students sent 755 works to the annual examination in London. Payments were made on account of the works of 34 artizans.

At the public local examination of the school in March, 90 persons presented themselves for examination, of whom 37 were successful.

The school has expended from its own funds 1*l.* 5*s.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 was 71*l.* 12*s.* 8½*d.*

ST. MARTIN'S.

Established in 1854. Situate in Castle Street, Long Acre.

The committee of management consists of 8 members, and the officers are:—

The Rev. W. G. Humphry, Chairman.
The Rev. R. G. Maul, Secretary.
W. L. Casey, Head-Master; 3 certificates.

The total number of students receiving instruction in drawing in the school during the year 1869 has been 166, showing a decrease of 34 since last year, from whom 105*l.* 12*s.*, the total amount of fees, have been received, showing an increase of 11*l.* 9*s.* 6*d.* over the sum received last year.

The attendance at the evening classes has been 160 students, who have paid 2*s.*, 2*s.* 6*d.*, 3*s.*, and 3*s.* 6*d.* per month, and 2*s.* entrance fee; total, 105*l.* 12*s.* There are no day classes.

The total income of the school is returned as 232*l.*

The school received 1 silver medal and 1 bronze medal at the national competition; in addition to which 6 third grade prizes were awarded to students whose works were sent up for inspection, and 13 second grade prizes were awarded to successful students at the public examination of the school, which took place in March. It was attended by 59 candidates, of whom 47 succeeded in passing.

Ninety-six students sent 536 works to the annual examination in London. Payments were made on account of the works of 96 artizans.

An exhibition of the students' works took place in December, and was attended by 450 visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 147*l.* 17*s.* 8*d.*, which includes a prize of 10*l.* to the head-master.

ST. THOMAS, CHARTER HOUSE.

Established in 1853. Situate at 42 and 44, Goswell Road.

The committee of management consists of 5 members, and the officers are:—

The Rev. J. Rodgers, Chairman.
W. Uridge, Secretary.
John Parker, Head-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 171, showing a decrease of 21 since last year. This total includes 22 students of private schools, who paid 20*l.* 5*s.*; and 149 students who have attended the Central School, from whom 72*l.* 3*s.* 2*d.* have been received. The total amount of fees has been 92*l.* 8*s.* 2*d.*, showing a decrease of 11*l.* 12*s.* 10*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—22 students, of private schools, who have paid 12*s.* per quarter, and an entrance fee of 2*s.*; total, 20*l.* 5*s.* Evening classes—149 students, who have paid 6*s.*, 7*s.* 6*d.*, and 9*s.* per quarter, and 2*s.* entrance fee; total, 72*l.* 3*s.* 2*d.*

The total income of the school is returned as 238*l.* 12*s.* 2*d.*

The school received 2 silver medals and 4 Queen's prizes of books at the national competition; in addition to which 9 third grade prizes were awarded to students whose works were sent up for inspection, and 16 second grade prizes were awarded at the local examination.

Two students obtained national scholarships during the year in the National Art Training School at South Kensington.

One hundred and twenty-four students sent 723 works to the annual examination in London. Payments were made on account of the works of 108 artizans.

At the public local examination of the school in March, 78 persons presented themselves for examination, of whom 48 were successful.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 184*l.* 2*s.* 8*d.*, which includes a prize of 20*l.* to the head-master.

SPITALFIELDS.

Established in 1842. Situate at 12, White Lion Street, Norton Folgate.

The committee of management consists of 8 members, and the officers are:—

John Vanner, Chairman.
W. Neave Hill, Secretary.
Samuel F. Mills, Head-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 179, showing a decrease of 7 since last year. The total amount of fees has been 106*l.* 16*s.*, showing a decrease of 10*l.* 3*s.* from the sum received last year.

The attendance at the classes has been:—Evening classes—179 students, who have paid 2*s.* 6*d.* per month, and 2*s.* entrance fee; total, 106*l.* 16*s.*

The total income of the school is returned as 253*l.* 2*s.* 6*d.*

Nine third grade prizes were awarded to students whose works were sent up for inspection, and 13 second grade prizes were awarded at the local examination.

Appendix C. SCHOOLS OF ART.

One hundred and nineteen students sent 672 works to the annual examination in London. Payments were made on account of the works of 108 artizans.

At the public local examination of the school in March, 89 persons presented themselves for examination, of whom 55 were successful.

The school has expended from its own funds 5*l.* 0*s.* 10*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 124*l.* 14*s.* 1*d.*, which includes a prize of 10*l.* to the head-master.

WEST LONDON.

Established in 1862. Situate at 204, Great Portland Street.

The committee of management consists of 33 members, and the officers are—

Peter Graham, Chairman.
S. M. Hubert, Secretary.
Geo. A. Stewart, Head-Master.
Wilmot Pilsbury, Assistant-Master; 5 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 479, showing an increase of 98 since last year. The total amount of fees has been 409*l.* 6*s.* 10½*d.*, showing an increase of 103*l.* 8*s.* 2½*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—30 students, who have paid 30*s.* per quarter, and an entrance fee of 5*s.*; total, 48*l.* 5*s.* Evening classes—449 students, who have paid 6*s.*, 11*s.*, and 12*s.* 6*d.* per quarter, and 2*s.* entrance fee; total, 361*l.* 1*s.* 10½*d.*

The total income of the school is returned as 710*l.* 12*s.* 4½*d.*

The school received 4 Queen's prizes of books at the national competition; in addition to which 17 third grade prizes were awarded to students whose works were sent up for inspection, and 27 second grade prizes were awarded at the local examination.

Two hundred and seventy-one students sent 1,999 works to the annual examination in London. Payments were made on account of the works of 259 artizans.

At the public local examination of the school in March, 169 persons presented themselves for examination, of whom 101 were successful.

The school has expended from its own funds 30*l.* 16*s.* 2*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 303*l.* 9*s.* 3¾*d.*, which includes a prize of 30*l.* to the head-master.

WESTMINSTER.

Established in 1863. Situate at Hide Place, Vincent Square.

The committee of management consists of 8 members, and the officers are:—

The Rev. A. Borradaile, Chairman.
J. M. Gritten, Secretary.
E. S. Burchett, Head-Master; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 176, showing an increase of 14 since last year. This total includes 82 students of private schools

who paid 74*l.* 14*s.*; and 94 students who have attended the Central School, from whom 51*l.* 12*s.* have been received. The total amount of fees has been 126*l.* 6*s.*, showing an increase of 14*s.* over the sum received last year.

The attendance at the classes has been:—Evening classes—94 students, who have paid 2*s.* per month, and 2*s.* entrance fee; total, 51*l.* 12*s.*

The total income of the school is returned as 104*l.* 12*s.*

Six third grade prizes were awarded to students whose works were sent up for inspection, and 5 second grade prizes were awarded at the local examination.

Seventy-one students sent 224 works to the annual examination in London. Payments were made on account of the works of 58 artizans.

At the public local examination of the school in March, 45 persons presented themselves for examination, of whom 24 were successful.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 62*l.* 9*s.*

NEWCASTLE-UNDER-LYME.—(Population in 1861—12,938.)

Established in 1853. Situate at King Street.

The committee of management consists of 18 members, and the officers are:—

The Rev. J. S. Broad, Chairman.
E. Earl, Secretary.
J. P. Bacon, Head-Master; 2 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 52, showing a decrease of 17 since last year. This total includes 9 students of private schools, who paid 10*l.*; and 43 students who have attended the Central School, from whom 21*l.* 7*s.* 9*d.* have been received. The total amount of fees has been 31*l.* 7*s.* 9*d.*, showing a decrease of 2*l.* 10*s.* from the sum received last year.

The attendance at the classes has been:—Evening classes—43 students, who have paid 6*s.* per quarter; total, 21*l.* 7*s.* 9*d.*

The total income of the school is returned as 148*l.* 2*s.* 11*d.*

The school received 1 bronze medal and 1 Queen's prize of book at the national competition; in addition to which 4 third grade prizes were awarded to students whose works were sent up for inspection, and 1 second grade prize was awarded at the local examination.

One student obtained a national scholarship during the year in the National Art Training School at South Kensington.

Thirty-six students sent 191 works to the annual examination in London. Payments were made on account of the works of 33 artizans.

At the public local examination of the school in March, 24 persons presented themselves for examination, of whom 13 were successful.

An exhibition of the students' works took place in November, and was attended by 300 visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 62*l.* 5*s.*, which includes a prize of 10*l.* to the head-master.

NEWCASTLE-UPON-TYNE.—(Population in 1861—109,291.)

Established in 1844. Situate at Museum Place, Westgate Street.

The committee of management consists of 7 members, and the officers are:—

Joseph Watson, Chairman.
James Leathart, Secretary.
William C. Way, Head-Master; 4 certificates.

Appendix C. Schools of Art.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 390, showing a decrease of 3 since last year. The total amount of fees has been 251*l.*, showing an increase of 23*l.* 0*s.* 9*d.* over the sum received last year.

The attendance at the classes has been :—Day classes—111 students, who have paid 5*s.*, 10*s.*, and 1*l.* 1*s.* per quarter; total, 141*l.* 17*s.* 6*d.* Evening classes—279 students, who have paid 7*s.* 6*d.* per quarter; total, 109*l.* 2*s.* 6*d.*

The total income of the school is returned as 496*l.*

Eleven third grade prizes were awarded to students whose works were sent up for inspection, and 16 second grade prizes were awarded at the local examination.

Two hundred and two students sent 1,510 works to the annual examination London. Payments were made on account of the works of 190 artizans.

At the public local examination of the school in March, 157 persons presented themselves for examination, of whom 82 were successful.

An exhibition of the students' works took place in April, and was attended by 500 visitors.

The school has expended from its own funds 9*l.* 11*s.* 3*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 244*l.* 12*s.* 4¾*d.*, which includes a prize of 10*l.* to the head-master.

Norwich.—(Population in 1861—75,000.)

Established in 1846. Situate at Broad Street, St. Andrew's.

The committee of management consists of 12 members, and the officers are:—

John Barwell, Chairman.
Henry Blake, Secretary.
Robert Cochrane, Head-Master; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 168, showing a decrease of 11 since last year. The total amount of fees has been 127*l.* 2*s.* showing an increase of 26*l.* 5*s.* 6*d.* over the sum received last year.

The attendance at the classes has been :—Day classes—53 students, who have paid 1*l.* 1*s.* per quarter or 30*s.* per session, and an entrance fee of 5*s.*; total, 77*l.* 1*s.* Evening classes—115 students, who have paid 2*s.* per month or 7*s.* 6*d.* per session, and 1*s.* entrance fee; total, 50*l.* 1*s.*

The total income of the school is returned as 321*l.* 10*s.*

The school received 1 Queen's prize of books at the national competition; in addition to which 3 third grade prizes were awarded to students whose works were sent up for inspection, and 6 second grade prizes were awarded at the local examination.

One hundred and nineteen students sent 996 works to the annual examination in London. Payments were made on account of the works of 111 artizans.

At the public local examination of the school in March, 123 persons presented themselves for examination, of whom 42 were successful.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 133*l.* 18*s.* 7*d.*, which includes a prize of 10*l.* to the head-master.

NOTTINGHAM.—(Population in 1861—74,693.)

Established in 1843. Situate at Waverley Street.

The committee of management consists of 13 members, and the officers are:—

R. Birkin, Esq., Chairman.
Henry A. Goodyer, Secretary.
John S. Rawle, Head-Master; 5 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 409, showing a decrease of 17 since last year. The total amount of fees has been 275*l.* 1*s.* 6*d.*, showing an increase of 25*l.* 8*s.* 6*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—59 students, who have paid 21*s.* and 42*s.* per quarter, and an entrance fee of 5*s.*; total, 109*l.* 10*s.* Evening classes—350 students, who have paid 10*s.* 6*d.* and 12*s.* 6*d.* per session, and 1*s.* 6*d.* entrance fee; total, 165*l.* 11*s.* 6*d.*

The total income of the school is returned as 794*l.* 5*s.*

The school received 1 gold medal, 2 silver medals, 4 bronze medals, and 4 Queen's prizes of books at the national competition; in addition to which 12 third grade prizes were awarded to students whose works were sent up for inspection, and 38 second grade prizes were awarded at the local examination.

One student obtained a national scholarship during the year in the National Art Training School at South Kensington.

Three hundred and twenty-eight students sent 1,924 works to the annual examination in London. Payments were made on account of the works of 277 artizans.

At the public local examination of the school in March, 182 persons presented themselves for examination, of whom 101 were successful.

The school has expended from its own funds 2*l.* 14*s.* 6*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 419*l.* 9*s.* 7*d.*, which includes a prize of 40*l.* to the head-master.

OXFORD.—(Population in 1861—27,561.)

Established in 1865. Situate at the Randolph Galleries.

The committee of management consists of 9 members, and the officers are:—

The Very Rev. H. G. Liddell, Chairman.
The Rev. C. L. Wingfield and Frank E. Spiers, Secretaries.
Alexander Macdonald, Head-Master; 5 certificates.
W. T. Roberts, Assistant-Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 301, showing a decrease of 59 since last year. The total amount of fees has been 232*l.* 1*s.*, showing a decrease of 30*l.* 15*s.* 11*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—192 students, who have paid 7*s.* 6*d.*, 10*s.*, 12*s.* 6*d.*, and 25*s.* per quarter; total, 202*l.* 16*s.* 3*d.* Evening classes—109 students, who have paid 3*s.*, 7*s.* 6*d.*, and 10*s.* per quarter; total, 29*l.* 4*s.* 9*d.*

The total income of the school is returned as 341*l.* 7*s.* 7*d.*

The school received 2 bronze medals and 1 Queen's prize of books at the national competition; in addition to which 8 third grade prizes

Appendix C. SCHOOLS OF ART.

were awarded to students whose works were sent up for inspection, and 13 second grade prizes were awarded at the local examination.

One student obtained a certificate of the third grade at the examination in London.

Seventy-eight students sent 505 works to the annual examination in London. Payments were made on account of the works of 50 artizans.

At the public local examination of the school in March, 104 persons presented themselves for examination, of whom 51 were successful.

An exhibition of the students' works took place in the Town Hall, and was attended by 3,500 visitors.

The school has expended from its own funds 5*l.* 16*s.* 10*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 112*l.* 6*s.* 2½*d.*

PAISLEY.—(Population in 1861—47,406.)

Established in 1848. Situate at Gilmour Street.

The committee of management consists of 15 members, and the officers are:—

David Murray, Chairman.
William Hodge, Secretary.
William Stewart, Head-Master.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 120, showing a decrease of 10 since last year. The total amount of fees has been 82*l.*, showing an increase of 5*l.* over the sum received last year.

The attendance at the classes has been:—Day classes—15 students, who have paid 12*s.* per quarter, and an entrance fee of 2*s.*; total, 17*l.* 1*s.* 6*d.* Evening classes—105 students, who have paid 5*s.* and 8*s.* per quarter, and 1*s.* entrance fee; total, 64*l.* 18*s.* 6*d.*

The total income of the school is returned as 174*l.* 6*s.*

The school received 2 Queen's prizes of books at the national competition; in addition to which 8 third grade prizes were awarded to students whose works were sent up for inspection, and 16 second grade prizes were awarded at the local examination.

Fifty-two students sent 319 works to the annual examination in London. Payments were made on account of the works of 52 artizans.

At the public local examination of the school in March, 49 persons presented themselves for examination, of whom 36 were successful.

An exhibition of the students' works took place in the School of Art, and was attended by 500 visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 115*l.* 0*s.* 10*d.*, which includes a prize of 10*l.* to the head-master.

PENZANCE.—(Population in 1861—9,414.)

Established in 1853. Situate at Regent House, Regent Place.

The committee of management consists of 23 members, and the officers are:—

Nicholas Downing, Mayor, Chairman.
W. H. Rodd, Secretary.
Henry M. Geoffroi, Head-Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 172, showing an

increase of 1 since last year. This total includes 52 students of private schools, who paid 73*l.* 4*s.*; and 120 students who have attended the Central School, from whom 120*l.* 17*s.* have been received. The total amount of fees has been 194*l.* 1*s.*, showing an increase of 14*l.* 7*s.* 6*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—39 students, who have paid 15*s.* 9*d.* per quarter, and an entrance fee of 1*s.*; total, 66*l.* Evening classes—81 students, who have paid 9*s.* and 4*s.* 6*d.* per quarter, and 1*s.* entrance fee; total, 54*l.* 17*s.*

The total income of the school is returned as 298*l.* 2*s.*

Four third grade prizes were awarded to students whose works were sent up for inspection, and 12 second grade prizes were awarded at the local examination.

Fifty-five students sent 512 works to the annual examination in London. Payments were made on account of the works of 43 artizans.

At the public local examination of the school in March, 103 persons presented themselves for examination, of whom 30 were successful.

An exhibition of the students' works took place in October, and was attended by 3,056 visitors.

The school has expended from its own funds 1*l.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 92*l.* 8*s.* 2*d.*

PERTH.—(Population in 1861—25,250.)

Established in 1863. Situate at 16, North William Street.

The committee of management consists of 11 members, and the officers are:—

Dr. Hugh Barclay, LL.D., Chairman.
John McNeill, Secretary.
Rea J. Stevenson, Head-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 139, showing a decrease of 15 since last year. The total amount of fees has been 114*l.* 8*s.* 2*d.*, showing a decrease of 6*l.* 4*s.* 7*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—82 students, who have paid 10*s.* 6*d.* and 14*s.* per quarter; total, 94*l.* 11*s.* 1*d.* Evening classes—57 students, who have paid 6*s.* per quarter; total, 19*l.* 17*s.* 1*d.*

The total income of the school is returned as 185*l.* 3*s.* 2*d.*

Two third grade prizes were awarded to students whose works were sent up for inspection, and 4 second grade prizes were awarded at the local examination.

Forty-three students sent 130 works to the annual examination in London. Payments were made on account of the works of 36 artizans.

At the public local examination of the school in March, 38 persons presented themselves for examination, of whom 18 were successful.

An exhibition of the students' works took place in July, and was attended by 2,000 visitors.

The school has expended from its own funds 5*l.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 89*l.* 7*s.* 6½*d.*

Appendix C.

SCHOOLS OF ART.

PRESTON.—(Population in 1861—82,985.)

Established in 1860. Situate at the Institution, Avenham.

The committee of management consists of 11 members, and the officers are:—

J. J. Myres, Chairman.
W. Newsham, Secretary.
Herbert Gilbert, Head-Master; 2 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 220, showing an increase of 28 since last year. This total includes 39 students of private schools, who paid 40*l.*; and 181 students who have attended the Central School, from whom 115*l.* 0*s.* 3*d.* have been received. The total amount of fees has been 155*l.* 0*s.* 3*d.*, showing a decrease of 27*l.* 6*s.* 3*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—80 students, who have paid 5*s.*, 10*s.*, 12*s.* 6*d.*, and 20*s.* per quarter; total, 90*l.* 18*s.* 6*d.* Evening classes—101 students, who have paid 1*s.* 3*d.*, 2*s.* 6*d.*, 5*s.* and 12*s.* 6*d.* per quarter; total, 24*l.* 1*s.* 9*d.*

The total income of the school is returned as 226*l.* 9*s.* 3*d.*

Four third grade prizes of books, &c. were awarded to students whose works were sent up for inspection, and 3 second grade prizes were awarded at the local examination.

The school has expended from its own funds 10*s.* 8*d.* on account of examples, besides local expenses for rent, cleaning, firing, &c.

Seventy-one students sent 411 works to the annual examination in London. Payments were made on account of the works of 27 artizans.

At the public local examination of the school in March, 54 persons presented themselves for examination, of whom 22 were successful.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 69*l.* 9*s.* 6½*d.*

READING.—(Population in 1861—25,876.)

Established in 1860. Situate at 123, Castle Street.

The committee of management consists of 11 members, and the officers are:—

John O. Taylor, Chairman.
W. Brown, Secretary.
C. R. Havell, Head-Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 87, showing a decrease of 3 since last year. The total amount of fees has been 64*l.* 16*s.*, showing a decrease of 7*l.* 14*s.* 10*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—26 students, who have paid 10*s.* 6*d.*, 15*s.*, and 21*s.* per quarter; total, 39*l.* Evening classes—61 students, who have paid 10*s.* 6*d.* and 5*s.* per quarter; total, 25*l.* 16*s.*

The total income of the school is returned as 132*l.* 9*s.*

Three third grade prizes were awarded to students whose works were sent up for inspection, and 6 second grade prizes were awarded at the local examination.

One student obtained a certificate of the third grade at the examination in London.

Forty-seven students sent 311 works to the annual examination in London. Payments were made on account of the works of 44 artizans. At the public local examination of the school in March, 80 persons presented themselves for examination, of whom 27 were successful.

An exhibition of the students' works took place in September, and was attended by numerous visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 74*l.* 19*s.* 1*d.*

SALISBURY.—(Population in 1861—12,278.)

Established in 1865. Situate in High Street.

The committee of management consists of 8 members, and the officers are:—

The Very Rev. H. P. Hamilton, Chairman.
Wm. J. Wilton, Secretary.
John Philip Fraser, Head-Master; 5 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 151, showing a decrease of 9 since last year. This total includes 54 students of privates chools, who paid 20*l.*; and 97 students who have attended the Central School, from whom 63*l.* have been received. The total amount of fees has been 83*l.*, showing an increase of 14*l.* 10*s.* over the sum received last year.

The attendance at the classes has been:—Day classes—30 students, who have paid 1*l.* per quarter; total, 47*l.* Evening classes—67 students, who have paid 6*s.* per quarter, and 2*s.* entrance fee; total, 16*l.*

The total income of the school is returned as 190*l.* 18*s.* 6*d.*

Two second grade prizes were awarded at the local examination.

Sixty-four students sent 547 works to the annual examination in London. Payments were made on account of the works of 62 artizans.

At the public local examination of the school in March, 41 persons presented themselves for examination, of whom 10 were successful.

An exhibition of the students' works took place in December, and was attended by many visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 74*l.* 1*s.*

SHEFFIELD.—(Population in 1861—185,172.)

Established in 1843. Situate at Arundel Street.

The committee of management consists of 15 members, and the officers are:—

John Hobson, Chairman.
Arthur Wightman, Secretary.
W. H. Sounes, Head-Master; 4 certificates.
William Cox, Assistant Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 258, showing an increase of 18 since last year. The total amount of fees has been 262*l.* 7*s.*, showing an increase of 7*l.* 13*s.* over the sum received last year.

The attendance at the classes has been:—Day classes—34 students, who have paid 20*s.*, 22*s.* 6*d.*, 17*s.* 6*d.*, and 15*s.* per quarter; total,

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65*l.* 17*s.* 6*d.* Evening classes—224 students, who have paid 11*s.* 3*d.*, 8*s.* 6*d.*, 7*s.* 6*d.*, 7*s.*, and 6*s.* 3*d.* per quarter; total, 196*l.* 9*s.* 6*d.*

The total income of the school is returned as 915*l.* 5*s.* 4*d.*

The school received 1 gold medal, 2 bronze medals, and 1 Queen's prize of books at the national competition; in addition to which 12 third grade prizes were awarded to students whose works were sent up for inspection, and 15 second grade prizes were awarded at the local examination.

One student obtained a national scholarship during the year in the National Art Training School at South Kensington, and one student obtained a certificate of the third grade at the examination in London.

One hundred and sixty-five students sent 2,269 works to the annual examination in London. Payments were made on account of the works of 150 artizans.

At the public local examination of the school in March, 99 persons presented themselves for examination, of whom 64 were successful.

An exhibition of the students' works took place in March and April, and was attended by 4,575 visitors.

The school has expended from its own funds 17*l.* 6*s.* 11*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 350*l.* 19*s.* 6*d.*, which includes a prize of 50*l.* to the head-master.

SHREWSBURY.—(Population in 1861—22,163.)

Established in 1855. Situate at Vaughan's Mansion, College Hill.

The committee of management consists of 12 members, and the officers are:—

Reginald Cholmondeley, Chairman.
James Tasker, Secretary.
Henry James Noyes, Head-Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 104, showing a decrease of 4 since last year. This total includes 32 students of an endowed school, who paid 5*l.*; and 72 students who have attended the Central School, from whom 92*l.* 10*s.* 6*d.* have been received. The total amount of fees has been 97*l.* 10*s.* 6*d.*, showing an increase of 4*l.* 4*s.* 9*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—26 students, who have paid 21*s.* per quarter, and an entrance fee of 5*s.*; total, 56*l.* 2*s.* 6*d.* Evening classes—46 students, who have paid 10*s.* and 5*s.* per quarter, and 5*s.* entrance fee; total, 36*l.* 8*s.*

The total income of the school is returned as 161*l.* 3*s.* 3*d.*

One third grade prize was awarded to a student whose works were sent up for inspection.

Twenty-seven students sent 143 works to the annual examination in London. Payments were made on account of the works of 8 artizans.

At the public local examination of the school in March, 41 persons presented themselves for examination, of whom 17 were successful.

The school has expended from its own funds 23*l.* 18*s.* 6*d.* on account of examples and fittings, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 19*l.* 0*s.* 3*d.*

SOUTHAMPTON.—(Population in 1861—46,970.)

Established in 1855. Situate at the Victoria Rooms, Portland Terrace.

The committee of management consists of 11 members, and the officers are:—

Robert Chipperfield, Chairman.
F. T. Bond, Secretary.
W. J. Baker, Head-Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 911, showing an increase of 30 since last year. This total includes 730 students of private schools, and 181 students who have attended the Central School, from whom 162*l.* 11*s.* 4*d.*, the total amount of fees, have been received, showing an increase of 29*l.* 10*s.* 1*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—83 students, who have paid 31*s.* 6*d.* and 12*s.* per quarter; total, 119*l.* 7*s.* 4*d.* Evening classes—98 students, who have paid 6*s.* per quarter; total, 43*l.* 4*s.*

The total income of the school is returned as 242*l.* 1*s.* 4*d.*

Three third grade prizes were awarded to students whose works were sent up for inspection, and 8 second grade prizes were awarded at the local examination.

Eighty-three students sent 734 works to the annual examination in London. Payments were made on account of the works of 63 artizans.

At the public local examination of the school in March, 130 persons presented themselves for examination, of whom 55 were successful.

The school has expended from its own funds 5*l.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 101*l.* 4*s.* 4*d.*, which includes a prize of 10*l.* to the head-master.

STIRLING.—(Population in 1861—13,846.)

Established in 1857. Situate at the High School.

The committee of management consists of 19 members, and the officers are:—

John Murrie, Chairman.
R. S. Shearer, Secretary.
Leonard Baker, Head-Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 169, showing a decrease of 20 since last year. This total includes 20 students of private schools, and 149 students who have attended the Central School, from whom 116*l.* 14*s.*, the total amount of fees, have been received, showing a decrease of 4*l.* 14*s.* from the sum received last year.

The attendance at the classes has been:—Day classes—70 students, who have paid 7*s.* 6*d.* per quarter; total, 105*l.* Evening classes—79 students, who have paid 3*s.*, 6*s.*, and 9*s.* per quarter; total, 11*l.* 14*s.*

The total income of the school is returned as 193*l.* 4*s.*

Six second grade prizes were awarded at the local examination.

Thirty-two students sent 318 works to the annual examination in London. Payments were made on account of the works of 28 artizans.

At the public local examination of the school in March, 75 persons presented themselves for examination, of whom 38 were successful.

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The school has expended from its own funds 12*l.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 40*l.*

STOKE-UPON-TRENT.—(Population in 1861—13,727.)

Established in 1847. Situate at the Minton Memorial, Eldon Place.

The committee of management consists of 20 members, and the officers are :—

The Rev. Sir L. T. Stamer, Bart., Chairman.
W. Keary, Secretary.
J. P. Bacon, Head-Master; 2 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 127, showing an increase of 26 since last year. This total includes 9 students of private schools, who paid 17*l.*; and 95 students who have attended the Central School, from whom 51*l.* 19*s.* have been received. The total amount of fees has been 68*l.* 19*s.*, showing a decrease of 1*l.* 1*s.* from the sum received last year.

The attendance at the classes has been :—Day classes—10 students, who have paid 30*s.* per quarter; total, 11*l.* Evening classes—85 students, who have paid 6*s.* per quarter, and 2*s.* entrance fee; total, 40*l.* 19*s.*

The total income of the school is returned as 305*l.* 15*s.* 6*d.*

The school received 1 bronze medal and 1 Queen's prize of books at the national competition; in addition to which 9 third grade prizes were awarded to students whose works were sent up for inspection, and 1 second grade prize was awarded at the local examination.

Sixty-seven students sent 382 works to the annual examination in London. Payments were made on account of the works of 64 artizans.

At the public local examination of the school in March, 26 persons presented themselves for examination, of whom 12 were successful.

An exhibition of the students' works took place in April, and was attended by 900 visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 119*l.* 11*s.* 1*d.*, which includes a prize of 10*l.* to the head-master.

STOURBRIDGE.—(Population in 1861—22,958.)

Established in 1852. Situate at Talbot Street.

The committee of management consists of 11 members, and the officers are :—

The Right Hon. Lord Lyttelton, Chairman.
William H. King, Secretary.
William P. Bowen, Head-Master; 2 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 154, showing a decrease of 39 since last year. This total includes 46 students of private schools, who paid 37*l.* 10*s.*; and 108 students who have attended the Central School, from whom 86*l.* 8*s.* 9*d.* have been received. The total amount of fees has been 123*l.* 18*s.* 9*d.*, showing a decrease of 26*l.* 2*s.* 9*d.* from the sum received last year.

The attendance at the classes has been :—Day classes—16 students, who have paid 10*s.* 6*d.* and 5*s.* 3*d.* per quarter; total, 14*l.* 8*s.* 9*d.*

Evening classes—92 students, who have paid 6*s.*, 5*s.*, and 3*s.* per quarter; total, 72*l.*

The total income of the school is returned as 267*l.* 2*s.* 9*d.*

The school received 1 Queen's prize of books at the national competition; in addition to which 7 third grade prizes were awarded to students whose works were sent up for inspection; and 5 second grade prizes were awarded at the local examination.

Thirty-seven students sent 155 works to the annual examination in London. Payments were made on account of the works of 36 artizans.

At the public local examination of the school in March, 58 persons presented themselves for examination, of whom 27 were successful.

The school has expended from its own funds 1*l.* 1*s.* 1*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 75*l.* 7*s.* 9¾*d.*

STROUD.—(Population in 1861—9,090.)

Established in 1860. Situate in High Street.

The committee of management consists of 15 members, and the officers are:—

J. W. Hallewell, Chairman.
S. S. Dickinson, Secretary.
John Kemp, Head-Master; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 107, showing a decrease of 16 since last year. The total amount of fees has been 103*l.* 4*s.* 6*d.*, showing a decrease of 10*l.* 18*s.* 6*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—75 students, who have paid 15*s.*, 10*s.*, 7*s.* 6*d.*, and 5*s.* per quarter; total, 88*l.* 4*s.* Evening classes—32 students, who have paid 5*s.* per quarter and 8*s.* per half year; total, 15*l.* 0*s.* 6*d.*

The total income of the school is returned as 129*l.* 19*s.* 6*d.*

Two bronze medals and three third grade prizes were awarded to students whose works were sent up for inspection, and 6 second grade prizes were awarded at the local examination.

Thirty students sent 140 works to the annual examination in London. Payments were made on account of the works of 17 artizans.

At the public local examination of the school in March, 49 persons presented themselves for examination, of whom 31 were successful.

An exhibition of the students' works took place in November, and was attended by 500 visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 27*l.* 2*s.* 8*d.*

SUNDERLAND.—(Population in 1861—100,000.)

Established in 1869. Situate at 21, Norfolk Street, Bishopwearmouth.

The committee of management consists of 36 members, and the officers are—

Rev. W. R. Burnett, Chairman.
W. H. Hills, Secretary.
Stephen Thomas, Head-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 129. The total amount of fees has been 73*l.* 16*s.* 7*d.*

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The attendance at the classes has been :—Day classes—30 students, who have paid 15*s.* and 10*s.* 6*d.* per quarter; total, 34*l.* 15*s.* 6*d.* Evening classes—99 students, who have paid 6*s.* 6*d.* and 4*s.* 6*d.* per quarter; total, 39*l.* 1*s.* 1*d.*

The total income of the school is returned as 96*l.* 19*s.* 7*d.*

No examination of this school, which was opened in March, took place in 1869.

The total amount of aid afforded to the above school by the Department during the year 1869, has been 24*l.* 10*s.* 4¾*d.*

SWANSEA.—(Population in 1861—41,606.)

Established in 1853; re-opened 7th January 1869. Situate at Post Office Chambers.

The committee of management consists of 18 members, and the officers are—

The Mayor of Swansea, Chairman.
John Williams, Secretary.
F. F. Hosford, Head-Master; 2 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 109. The total amount of fees has been 96*l.* 7*s.* 6*d.*

The attendance at the classes has been :—Day classes—32 students, who have paid 20*s.* and 7*s.* 6*d.* per quarter, and an entrance fee of 5*s.*; total, 59*l.* 2*s.* Evening classes—77 students who have paid 10*s.* and 6*s.* per quarter, and 5*s.* and 2*s.* entrance fee; total 37*l.* 5*s.* 6*d.*

The total income of the school is returned as 225*l.* 6*s.* 3*d.*

One third grade prize was awarded to students whose works were sent up for inspection, and 11 second grade prizes were awarded at the local examination.

Forty-three students sent 151 works to the annual examination in London. Payments were made on account of the works of 34 artizans.

At the public local examination of the school in March, 62 persons presented themselves for examination, of whom 33 were successful.

The school has expended from its own funds 22*l.* 0*s.* 4*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869, has been 90*l.* 8*s.* 11*d.*

TAUNTON.—(Population in 1861—15,538.)

Established in 1856. Situate at Bath Place.

The committee of management consists of 12 members, and the officers are :—

Arthur Malet, Chairman.
The Rev. W. A. Jones, Secretary.
John Rowe, Head-Master; 2 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 155, showing an increase of 17 since last year. This total includes 37 students of private schools, who paid 7*l.*; and 118 students who have attended the Central School, from whom 164*l.* 3*s.* 6*d.* have been received. The total amount of fees has been 243*l.* 3*s.* 6*d.*, showing an increase of 30*l.* 4*s.* over the sum received last year.

The attendance at the classes has been :—Day classes—57 students, who have paid 1*l.* 1*s.* and 15*s.* per quarter, and an entrance fees of 5*s.* and 2*s.* 6*d.*; total, 130*l.* 11*s.* 6*d.* Evening classes—61 students, who

have paid 10*s.* and 5*s.* per quarter, and 2*s.* 6*d.* and 1*s.* entrance fees; total, 33*l.* 12*s.*

The total income of the school is returned as 296*l.* 19*s.* 6*d.*

The school received 1 Queen's prize of books at the national competition; in addition to which 5 third grade prizes were awarded to students whose works were sent up for inspection, and 9 second grade prizes were awarded at the local examination.

Sixty-two students sent 206 works to the annual examination in London. Payments were made on account of the works of 36 artizans.

At the public local examination of the school in March, 83 persons presented themselves for examination, of whom 37 were successful.

An exhibition of the students' works took place in November, and was attended by 1,600 visitors.

The total amount of aid afforded to the above school by the Department during the year 1869, has been 53*l.* 8*s.*

TORQUAY.—(Population in 1861—16,419.)

Established in 1865. Situate at Braddon's Hill Road.

The committee of management consists of 15 members, and the officers are:—

E. Vivian, Chairman.
C. N. Luxmoore, Secretary.
Thomas Holmes, Head-Master; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 174, showing an increase of 15 since last year. The total amount of fees has been 121*l.* 3*s.* 3*d.*, showing a decrease of 25*l.* 2*s.* 6*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—68 students, who have paid 15*s.* and 7*s.* 6*d.* per month, and entrance fees of 6*s.* and 3*s.*; total, 85*l.* 11*s.* 3*d.* Evening classes—106 students, who have paid 2*s.* per month, and 1*s.* entrance fee; total, 35*l.* 12*s.*

The total income of the school is returned as 237*l.* 9*s.* 9*d.*

The school received 1 Queen's prize of books at the national competition; in addition to which 4 third grade prizes were awarded to students whose works were sent up for inspection, and 3 second grade prizes were awarded at the local examination.

Fifty-eight students sent 335 works to the annual examination in London. Payments were made on account of the works of 57 artizans.

At the public local examination of the school in March, 41 persons presented themselves for examination, of whom 24 were successful.

An exhibition of the students' works took place in March, and was attended by 350 visitors.

The school has expended from its own funds 6*l.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 76*l.* 11*s.* 3*d.*

TROWBRIDGE.—(Population in 1861—10,487.)

Established in 1864. Situate at the Market House.

The committee of management consists of 9 members, and the officers are:—

Thomas Clark, Chairman.
G. C. Tayler, Secretary.
George Ryles, Head-Master; 2 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 49, showing a decrease of

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5 since last year. The total amount of fees has been 65*l.* 1*s.* 6*d.*, showing an increase of 7*l.* 3*s.* 6*d.* over the sum received last year.

The attendance at the classes has been :—Day classes—16 students, who have paid 30*s.* per session, and an entrance fee of 2*s.* 6*d.*; total, 46*l.* 15*s.* Evening classes—33 students, who have paid 2*s.* per month, and 1*s.* 6*d.* entrance fee; total, 18*l.* 6*s.* 6*d.*

The total income of the school is returned as 111*l.* 12*s.* 6*d.*

Six third grade prizes were awarded to students whose works were sent up for inspection, and 5 second grade prizes were awarded at the local examination.

Thirty-eight students sent 205 works to the annual examination in London. Payments were made on account of the works of 25 artizans.

At the public local examination of the school in March, 26 persons presented themselves for examination, of whom 17 were successful.

An exhibition of the students' works took place in December, and was attended by 760 visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 38*l.* 12*s.* 1*d.*

Truro.—(Population in 1861—11,337.)

Established in 1853. Situate at the Savings Bank.

The committee of management consists of 20 members, and the officers are :—

Charles Barham, M.D., Chairman.
Thomas Solomon, Secretary.
Richard Griffiths, Head-Master; 2 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 74, showing a decrease of 13 since last year. This total includes 28 students of private schools, who paid 17*l.* 5*s.*; and 46 students who have attended the Central School, from whom 24*l.* 5*s.* have been received. The total amount of fees has been 42*l.* 10*s.*, showing a decrease of 7*l.* 5*s.* from the sum received last year.

The attendance at the classes has been :—Day classes—3 students, who have paid 15*s.* per quarter; total, 4*l.* 10*s.* Evening classes—43 students, who have paid 6*s.* per quarter; total, 19*l.* 15*s.*

The total income of the school is returned as 70*l.* 7*s.*

One second grade prize was awarded at the local examination.

Four students sent 18 works to the annual examination in London. Payments were made on account of the works of 2 artizans.

At the public local examination of the school in March, 13 persons presented themselves for examination, of whom 8 were successful.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 18*l.* 4*s.* 7*d.*

Wakefield.—(Population in 1861—23,150.)

Established in 1868. Situate at Bell Street.

The committee of management consists of 15 members, and the officers are :—

W. H. Lee, Chairman.
S. Bruce, Secretary.
W. Smith, Head-Master; 5 certificates.
W. Sturgeon, Assistant-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 130, showing an increase of 43 since last year. The total amount of fees has been 150*l.* 13*s.*, showing an increase of 72*l.* 17*s.* 6*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—42 students, who have paid 21*s.* and 15*s.* per quarter; total, 97*l.* 9*s.* Evening classes—88 students, who have paid 10*s.* 6*d.* and 5*s.* per quarter; total, 53*l.* 4*s.*

The total income of the school is returned as 351*l.* 11*s.* 8*d.*

Ten third grade prizes were awarded to students whose works were sent up for inspection, and 15 second grade prizes were awarded at the local examination.

Seventy-eight students sent 923 works to the annual examination in London. Payments were made on account of the works of 51 artizans.

At the public local examination of the school in March, 55 persons presented themselves for examination, of whom 33 were successful.

An exhibition of the students' works took place in October, and was attended by 580 visitors.

The school has expended from its own funds 17*l.* 11*s.* 8*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 116*l.* 11*s.* 8*d.*, which includes a prize of 10*l.* to the head-master.

Warminster.—(Population in 1861—6,500.)

Established in 1861. Situate at the Athenæum, Market Place.

The committee of management consists of 17 members, and the officers are:—

The Rev. J. E. Philipps, Chairman.
W. J. Stent, Secretary.
George Ryles, Head-Master; 2 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 56, showing a decrease of 1 since last year. This total includes 29 students of private schools, who paid 34*l.* 13*s.*; and 27 students who have attended the Central School, from whom 24*l.* 8*s.* have been received. The total amount of fees has been 59*l.* 1*s.*, showing a decrease of 4*l.* 9*s.* from the sum received last year.

The attendance at the classes has been:—Day classes—8 students, who have paid 30*s.* per session, and an entrance fee of 2*s.* 6*d.*; total, 13*l.* 15*s.* Evening classes—19 students, who have paid 2*s.* per month, and 1*s.* 6*d.* entrance fee; total, 10*l.* 13*s.*

The total income of the school is returned as 83*l.* 7*s.* 8*d.*

Three third grade prizes were awarded to students whose works were sent up for inspection, and 4 second grade prizes were awarded at the local examination.

Eighteen students sent 130 works to the annual examination in London. Payments were made on account of the works of 13 artizans.

At the public local examination of the school in March, 28 persons presented themselves for examination, of whom 13 were successful.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 22*l.* 0*s.* 4*d.*

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SCHOOLS OF ART.

WARRINGTON.—(Population in 1861—26,431.)

Established in 1853. Situate at the Museum, Bold Street.

The committee of management consists of 14 members, and the officers are:—

Colonel J. W. Patten, M.P., Chairman.
H. B. White, Secretary.
J. C. Thompson, Head-Master; 2 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 323, showing an increase of 10 since last year. This total includes 187 students of private schools, and 136 students who have attended the Central School, from whom 152*l.* 11*s.* 6*d.*, the total amount of fees, have been received, showing an increase of 3*l.* 5*s.* 3*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—86 students, who have paid 21*s.* and 12*s.* 6*d.* per quarter, and 1*s.*, 2*s.*, and 3*s.* per month; total, 113*l.* 17*s.* 6*d.* Evening classes—50 students, who have paid 1*s.*, 2*s.*, and 3*s.* per month; total, 38*l.* 14*s.*

The total income of the school is returned as 246*l.* 3*s.*

The school received 3 Queen's prizes of books at the national competition; in addition to which 17 third grade prizes were awarded to students whose works were sent up for inspection, and 7 second grade prizes were awarded at the local examination.

Fifty-four students sent 117 works to the annual examination in London. Payments were made on account of the works of 39 artizans.

At the public local examination of the school in March, 85 persons presented themselves for examination, of whom 42 were successful.

An exhibition of the students' works took place in April, and was attended by 1,723 visitors.

The school has expended from its own funds 1*l.* 10*s.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 106*l.* 0*s.* 8*d.*, which includes a prize of 10*l.* to the head-master.

WATERFORD.—(Population in 1861—23,000.)

Established in 1852. Situate at the Savings Bank, King Street.

The committee of management consists of 12 members, and the officers are:—

The Very Rev. E. N. Hoare, Chairman.
George Gibson, Secretary.
Samuel McCloy, Head-Master; 1 certificate.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 122, showing a decrease of 8 since last year. This total includes 49 students of private schools, who paid 10*l.*; 37 students who have attended the Portlaw Branch, and have paid 26*l.*; and 36 students who have attended the Central School, from whom 26*l.* 12*s.* 3*d.* have been received. The total amount of fees has been 62*l.* 12*s.* 3*d.*, showing a decrease of 8*l.* 6*s.* 9*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—64 students, who have paid 10*s.* 6*d.* per quarter, and 3*s.* 4*d.* and 1*s.* per month; total, 45*l.* 18*s.* 9*d.* Evening classes—9 students, who have paid 6*s.* per quarter; total, 6*l.* 13*s.* 6*d.*

The total income of the school is returned as 82*l.* 4*s.* 3*d.*

Two third grade prizes were awarded to a student whose works were sent up for inspection.

Five students sent 5 works to the annual examination in London. Payments were made on account of the works of 1 artizan.

No public examination of the school took place in 1869.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 9*l.* 16*s.* 2*d.*

WESTON-SUPER-MARE.—(Population in 1861—8,038.)

Established in 1865. Situate at High Street.

The committee of management consists of 10 members, and the officers are:—

The Venerable Archdeacon Browne, Chairman.
John Townsend, R.N., Secretary.
W. S. Cosbie, Head-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 64, showing an increase of 6 since last year. The total amount of fees has been 42*l.* 18*s.*, showing a decrease of 2*l.* 1*s.* from the sum received last year.

The attendance at the classes has been:—Day classes—27 students, who have paid 21*s.* and 10*s.* 6*d.* per quarter, and entrance fees of 2*s.* 6*d.* and 5*s.*; total, 30*l.* 2*s.* 6*d.* Evening classes—36 students, who have 1*s.*, 2*s.*, and 3*s.* per month, and 1*s.* entrance fee; total, 12*l.* 15*s.* 6*d.*

The total income of the school is returned as 104*l.* 16*s.* 6*d.*

One third grade prize was awarded to a student whose works were sent up for inspection, and 1 second grade prize was awarded at the local examination.

Thirty-three students sent 386 works to the annual examination in London. Payments were made on account of the works of 23 artizans.

At the public local examination of the school in March, 21 persons presented themselves for examination, of whom 6 were successful.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 32*l.* 19*s.*

WOLVERHAMPTON.—(Population in 1861—60,858.)

Established in 1854. Situate in Darlington Street.

The committee of management consists of 9 members, and the officers are:—

Thomas Bantock, Chairman.
Vincent Jackson, Secretary.
Archibald Gunn, Head-Master; 3 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 138, showing an increase of 10 since last year. The total amount of fees has been 93*l.* 7*s.* 9*d.* showing an increase of 19*l.* 17*s.* 3*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—28 students who have paid 21*s.* and 10*s.* per quarter; total, 46*l.* 4*s.* Evening classes—110 students, who have paid 7*s.* 6*d.* and 5*s.* per quarter; total, 47*l.* 3*s.* 9*d.*

The total income of the school is returned as 241*l.* 4*s.* 1*d.*

Ten third grade prizes were awarded to students whose works were sent up for inspection; and 7 second grade prizes were awarded at the local examination.

Appendix C. Schools of Art.

Fifty-one students sent 209 works to the annual examination in London. Payments were made on account of the works of 40 artizans.

At the public local examination of the school in March, 49 persons presented themselves for examination, of whom 28 were successful.

An exhibition of the students' works took place, and was attended by many visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 75*l.* 15*s.* 11*d.*

Worcester.—(Population in 1861—31,123.)

Established in 1851. Situate at Pierpoint Street.

The committee of management consists of 11 members, and the officers are:—

No fixed Chairman.
R. W. Binns and the Rev. Maurice Day, Secretaries.
G. P. Yeats, Head-Master.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 332, showing an increase of 38 since last year. This total includes 160 students of private schools, who paid 20*l.*; and 172 students who have attended the Central School, from whom 100*l.* 0*s.* 6*d.* have been received. The total amount of fees has been 120*l.* 0*s.* 6*d.*, showing an increase of 12*s.* 8*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—66 students, who have paid 3*s.* 6*d.*, 5*s.* 6*d.*, and 12*s.* per quarter; total, 75*l.* 3*s.* 6*d.* Evening classes—106 students, who have paid 3*s.*, 3*s.* 6*d.*, and 5*s.* 6*d.* per quarter; total, 24*l.* 17*s.*

The total income of the school is returned as 312*l.* 3*s.*

The school received 1 bronze medal at the national competition; in addition to which 2 third grade prizes were awarded to students whose works were sent up for inspection, and 5 second grade prizes were awarded at the local examination.

Thirty-seven students sent 129 works to the annual examination in London. Payments were made on account of the works of 25 artizans.

At the public local examination of the school in March, 59 persons presented themselves for examination, of whom 38 were successful.

An exhibition of the students' works took place in January, and was attended by over 2,000 visitors.

The school has expended from its own funds 6*s.* 3*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 60*l.* 8*s.*

Great Yarmouth.—(Population in 1861—34,810.)

Established in 1857. Situate in South Quay.

The committee of management consists of 18 members, and the officers are:—

C. Woolverton, Mayor, Chairman.
F. A. Cubitt, Secretary.
John S. Dominy, Head-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 330, showing an increase of 3 since last year. This total includes 226 students of private schools, who paid 50*l.* 10*s.*; and 103 students who have attended the Central School, from whom 95*l.* 1*s.* 6*d.* have been received. The total

amount of fees has been 145*l.* 11*s.* 6*d.*, showing an increase of 2*l.* 13*s.* 9*d.* over the sum received last year.

The attendance at the classes has been:—Day classes—51 students, who have paid 20*s.* and 31*s.* 6*d.* per session, and an entrance fee of 8*s.*; total, 65*l.* 1*s.* 6*d.* Evening classes—52 students, who have paid 8*s.* 6*d.* and 17*s.* per session, and 2*s.* entrance fee; total, 30*l.*

The total income of the school is returned as 292*l.* 5*s.* 6*d.*

The school received 1 Queen's prize of books at the national competition; in addition to which 7 third grade prizes were awarded to students whose works were sent up for inspection, and 11 second grade prizes were awarded at the local examination.

Twenty-one students sent 60 works to the annual examination in London. Payments were made on account of the works of 13 artizans.

At the public local examination of the school in March, 55 persons presented themselves for examination, of whom 41 were successful.

The school has expended from its own funds 18*s.* 4*d.* on account of examples, besides the local expenses for rent, cleaning, firing, lighting, printing, &c.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 71*l.* 6*s.* 6*d.*

YORK.—(Population in 1861—45,300.)

Established in 1842. Situate at Minster Yard.

The committee of management consists of 24 members, and the officers are:—

Rev. I. Spencer, Chairman.
" W. Procter, Secretary.
John C. Swallow, Head-Master; 4 certificates.

The total number receiving instruction in drawing in, or through the agency of, the school during 1869 has been 127, showing an increase of 30 since last year. The total amount of fees has been 100*l.* 3*s.* 11*d.*, showing a decrease of 2*l.* 8*s.* 7*d.* from the sum received last year.

The attendance at the classes has been:—Day classes—29 students, who have paid 21*s.* and 31*s.* 6*d.* per session; total, 48*l.* 15*s.* Evening classes—98 students, who have paid 7*s.* 6*d.*, 10*s.* 6*d.*, and 21*s.* per session; total, 51*l.* 8*s.* 11*d.*

The total income of the school is returned as 175*l.* 1*s.* 11*d.*

Seven third grade prizes were awarded to students whose works were sent up for inspection, and 7 second grade prizes were awarded at the local examination.

One student obtained a national scholarship during the year in the National Art Training School at South Kensington.

Forty-six students sent 252 works to the annual examination in London. Payments were made on account of the works of 42 artizans.

At the public local examination of the school in March, 40 persons presented themselves for examination, of whom 29 were successful.

An exhibition of the students' works took place in November, and was attended by 200 visitors.

The total amount of aid afforded to the above school by the Department during the year 1869 has been 80*l.* 12*s.* 9*d.*

7. Result of Examinations of Schools of Art throughout the United Kingdom, in connexion with the Science and Art Department of the Committee of Council on Education, 1869.—(Table E.)

Name of Place.	Masters, and the Certificates they have obtained.	No. of Students taught in Schools of Art.	2nd Grade Examination.			3rd Grade Examination.			National Competition.			
			No. of Students examined in 2nd Grade.	No. of Students successful in 2nd Grade.	No. of Students who obtained Prizes.	No. of Students who sent up works for examination.	No. of Artizans on whose works payments were made.	No. of Students who obtained Prizes.	No. of Students who obtained Medals. Gold.	Silver.	Bronze.	No. of Students who obtained Queen's Prizes.
Aberdeen	Menzies, John, 1, 2, 6 a, 6 b.	249	75	51	14	98	93	6		—		—
Andover	Fraser, J. P., 1, 2, 3, 6 a, 6 b.	70	48	10	2	51	51	—		—		—
Bath	Goepel, J. S., 1, 6 a, 6 b; Nesbit, Sidney, 1.	228	62	58	30	71	58	5		—		—
Birkenhead	Bentley, J., 1, 4, 6 a, 6 b.	161	79	49	11	87	79	6		—		1
Birmingham	Raimbach, D. W., 1; Wallis, W.; Blizard E., 1, 6 a, 6 b.	1,108	324	153	25	470	447	27			1.	3
Boston	Howard, Vernon, 1, 2, 6 a.	105	47	30	6	34	31	1		1.		1
Bradford	Smith, Walter, 1, 2, 4, 5, 6 a; Sturgeon, Wm., 1, 2, 6 a, 6 b.	125	77	33	10	52	41	7	1.			2
Bridgwater	Rowe, J., 1, 6 a.	*	42	16	5	7	—	—		—		—
Bridport	Campbell, J. A. D., 1, 2, 6 a, 6 b.	83	35	20	4	43	21	3		—		—
Brighton	White, John, 1, 6 a.	97	100	58	11	11	11	—		—		—
Bristol	Smith, John N., 1, 2, 6 a, 6 b; Nichols, Alfred, 1, 2, 4, 5, 6 a.	290	149	99	37	101	81	14		—		2
Bromsgrove	Bowen, Wm. P., 1, 2.	97	28	8	1	14	6	1		—		—
Burslem	Theaker, Geo., 1.	133	Not examined.			—	—	—		—		—
Cambridge, with branch at Huntingdon.	Wood, Daniel, 1, 2, 4, 6 a.	107	54	47	10	121	76	13		—		—
Cardiff	Bush, J., 1	87	72	31	9	52	45	5		—		1
Carlisle	Lees, H., 1, 2, 6 a.	122	57	34	9	75	61	3		1.		—
Carmarthen	Hosford, F. F., 1, 2.	50	30	8	2	5	5	—		—		—
Carnarvon	Rowland, J. C., 1	66	23	16	5	9	8	1		—		—
Cheltenham	Knight, James P., 1	135	41	24	10	48	44	6		—		—
Chester, with branch at Crewe.	Craister, W., 1, 6 b.	92	41	21	4	53	47	8		—		—
Chippenham	Puckett, R. C., Ph.D., 1, 2, 3, 4, 5, 6 a.	50	21	17	7	33	26	3		—		—
Cirencester	Miller, Jas., 1, 6 a, 6 b.	97	31	19	6	32	24	2		—		—
Clonmel	Fraser, Edward A., 1, 6 b.	36	15	3	—	9	6	—		—		—
Coalbrookdale and Wenlock.	Woolner, Henry, 1, 4, 5, 6 a.	50	19	11	3	43	42	1			1.	2

* Not reported.

Result of Examinations—*continued.*

Name of Place.	Masters, and the Certificates they have obtained.	No. of Students taught in Schools of Art.	2nd Grade Examination.			3rd Grade Examination.			National Competition.			
			No. of Students in examined 2nd Grade.	No. of Students in successful 2nd Grade.	No. of Students who obtained Prizes.	No. of Students who sent up works for examination.	No. of Artizans on whose works payments were made.	No. of Students who obtained Prizes.	No. of Students who obtained Medals. Gold.	Silver.	Bronze.	No. of Students who obtained Queen's Prize.
Cork	Brenan, James, J., 1, 2, 3, 6 a.	228	83	49	13	99	46	12			1.	—
Coventry	Anderson, John, 1, 2, 3, 6 a.	180	66	48	9	101	75	8		1.	3.	2
Croydon	Wigzell, M., 1	134	61	47	9	78	38	6		—		—
Darlington	Elton, Samuel, 1, 6 a.	165	114	57	7	68	59	2		—		—
Devizes	Ryles, George, 1, 6 a.	54	26	13	3	35	20	6		—		—
Devonport	Robjohns, F. R., 1, 2, 6 a.	92	21	13	1	31	30	6		—		—
Dorchester	Campbell, J. A. D., 1, 2, 6 a, 6 b.	74	44	24	7	49	14	1		—		—
Dublin (Royal Society)	Lyne, Edwin, 1, 2, 3, 6 a; Julyan, Mary, 1, 2, 3.	535	169	105	34	169	144	22	1.	2.	2.	5
„ (Queen's Inst.)	Mayne, A. J., 1	135	Not examined.			—	—	—		—		—
Dudley	Jones, D., 1, 2, 6 a, 6 b	59	14	9	3	17	14	3		—		—
Dundee	Kennedy, John, 1, 2, 6 a.	561	100	62	27	99	83	12		—		1
Durham	Newton, George H., 1, 2, 3.	120	27	26	9	31	28	2		—		—
Edinburgh (Male)	Hodder, Charles D., 1, 2; Morley, W. A., 1, 4, 5, 6 a.	459	126	86	27	240	223	39		1.	3.	8
„ (Female)	Ashworth, Susan, A., 1, 2.	225	93	57	14	171	127	13			2.	2
Exeter	Birkmyer, James B., 1, 2, 6 a, 6 b.	288	115	61	15	168	122	10		—		—
Frome	Goepel, J. S., 1, 6 a, 6 b.	93	66	34	13	55	53	7		—		—
Glasgow	Greenlees, Robert; Banner, Alexr., 1, 6 a, 6 b.	1,164	128	87	28	213	198	19	1.		1.	1
Gloucester	Kemp, Jno., 1, 2, 6 a	140	50	31	5	56	44	3		1.		1
Halifax	Stopford, W. H., 1, 6 a, 6 b.	123	63	34	10	73	67	6		—		1
Hanley	Carter, James, 1, 2, 3, 6 a.	158	49	25	2	113	102	6			1.	3
Henley-on-Thames	Havell, Charles Richard, 1	36	17	8	1	15	13	2		—		—
Hull	Chandler, Edwin, 1, 2, 3, 6 b.	237	70	48	7	73	49	6		—		—
Inverness, High School	Pratt, R., 1	85	37	14	4	15	14	2		—		—
„ Royal Academy.	Duncan, W. S., 1, 6 a, 6 b.	150	Not examined.			—	—	—		—		—
Ipswich	Griffiths, W. T., 1, 6 a, 6 b.	186	146	45	5	82	56	10		—		—
Kidderminster	Kennedy, Joseph, 1, 6 a, 6 b.	77	55	18	4	36	35	7	1.		2.	—
Kilmarnock	Black, Francis M., 1	160	74	32	12	68	44	5		—		1
Lancaster	Gilbert, Herbert, 1, 6 a.	285	108	51	10	126	78	7		—		—
Leeds Mechanics' Institute.	Puckett, R. C., 1, 2, 3, 4, 5, 6 a.	255	184	87	29	111	92	19		—		1
„ School of Art and Science, 9, South Parade.	Smith, W., 1, 2, 4, 5, 6 a; Stevenson, A., 1, 6 a.	105	Not examined.			—	—	—		—		—

Result of Examinations—*continued.*

Name of Place.	Masters, and the Certificates they have obtained.	No. of Students taught in Schools of Art.	2nd Grade Examination.			3rd Grade Examination.			National Competition.			
			No. of Students examined in 2nd Grade.	No. of Students successful in 2nd Grade.	No. of Students who obtained Prizes.	No. of Students who sent up works for examination.	No. of Artizans on whose works payments were made.	No. of Students who obtained Prizes.	No. of Students who obtained Medals. Gold.	Silver.	Bronze.	No. of Students who obtained Queen's Prizes.
Leith . . .	Bain, R. L., 1 .	46	Not examined.			—	—	—		—		—
Lewes . . .	Fisher, Alexander, 1, 2, 4, 6 a, 6 b.	68	68	47	6	32	17	6		—		—
Limerick . .	Brophy, N. A. .	132	38	24	5	67	45	12		—		—
Lincoln . .	Taylor, Edward R., 1, 2, 3, 6a.	206	156	63	17	163	146	17			1.	3
Liverpool, North District.	Bishop, W. J.; Burkinshaw, S., 1, 2, 6a.	551	144	85	15	31	28	2		—		—
Liverpool, South District.	Finnie, Jno., 1, 2, 6 a	550	183	57	12	93	81	12		—		2
Macclesfield . .	Ford, James, 1, 2, 4, 6 a, 6 b.	113	79	50	15	19	18	2		—		1
Manchester, Royal Institution.	Muckley, W. J., 1, 2, 3, 6 a.	390	149	66	17	116	87	34			4.	5
Manchester, Grammar School.	Pritchard, Z., 1, 2, 6a, 6 b.	324	Not examined.			—	—	—		—		—
Metropolitan Schools:												
Female School of Art, Bloomsbury.	Gann, Louisa, 1; Wilson, Helena, 1, 2, 3; De la Belinaye, Laura, 1; Williams, M. A.	167	83	63	23	102	85	17		1.		5
Lambeth, Miller's Lane.	Sparkes, John, 1, 2, 6 a, 6 b; Bale, Edwin, 1, 4, 5, 6a.	318	124	77	28	108	105	7	1.	1.	3.	1
North London, Sandringham Road.	Swinstead, C., 1, 6 a.	108	90	37	10	57	34	2		—		—
St. Martin's, Castle St., Long Acre.	Casey, W. L., 1, 2, 3	166	59	47	13	96	96	6		1.	1.	—
St. Thomas', Charterhouse.	Parker, John, 1, 2, 3, 6a.	149	78	48	17	124	108	7		2.		4
Spitalfields, White Lion Street.	Mills, S. F., 1, 2, 6 a, 6 b; Rawson, Wm., 1.	179	89	55	14	119	108	9		—		—
West London, Great Portland Street.	Stewart, George; Pilsbury, Wilmot, 1, 2, 3, 6a, 6 b.	479	169	104	27	271	259	16		—		4
Westminster, Hide Place, Vincent Sq.	Burchett, E. Stanley, 1, 6 a, 6 b.	94	45	23	5	71	58	6		—		—
Rotherhithe .	Masters in Training	62	32	17	6	23	—	3		—		—
South Kensington	Burchett, R., and others.	895	629	493	76	199	—	29	3.	6.	12.	21
Newcastle-under-Lyme.	Bacon, J. P., 1, 6 a .	43	24	13	1	36	33	3			1.	1
Newcastle-upon-Tyne	Way, Wm. Cosens, 1, 2, 6a, 6b.	390	157	82	16	202	190	11		—		—
Norwich . .	Cochrane, Robert, 1, 2, 6 a.	168	123	42	6	119	111	3		—		1
Nottingham . .	Rawle, J. S., 1, 2, 3, 6 a, 6 b.	409	182	101	38	328	277	13	1.	2.	4.	4
Oxford . .	Macdonald, Alex., 1, 2, 3, 6a, 6b; Roberts, W. T., 1.	301	104	51	13	78	50	8			2.	1
Paisley . .	Stewart, William .	120	49	36	16	52	52	8		—		2
Penzance . .	Geoffroi, Henry M., 1	120	103	30	12	55	43	4		—		—
Perth . . .	Stevenson, Rea J., 1, 2, 6 a, 6 b.	139	38	19	5	43	36	2		—		—

Result of Examinations—*continued.*

Name of Place.	Masters, and the Certificates they have obtained.	No. of Students taught in Schools of Art.	2nd Grade Examination.			3rd Grade Examination.			National Competition.			
			No. of Students examined in 2nd Grade.	No. of Students successful in 2nd Grade.	No. of Students who obtained Prizes.	No. of Students who sent up works for examination.	No. of Artizans on whose works payments were made.	No. of Students who obtained Prizes.	No. of Students who obtained Medals. Gold.	Silver.	Bronze.	No. of Students who obtained Queen's Prizes.
Preston	Gilbert, Herbert, 1, 6 a.	181	54	22	3	71	27	5		—		—
Reading	Havell, Charles R., 1	87	80	27	6	47	44	3		—		—
Salisbury	Fraser, John P., 1, 2, 3, 6 a, 6 b.	97	41	10	2	64	62	2		—		—
Sheffield	Sounes, William H., 1, 4, 5, 6 a; Cox, William, 1.	258	99	64	15	165	150	12	1.		2.	1
Shrewsbury	Noyes, H. J., 1	72	41	17	—	27	8	1		—		—
Southampton	Baker, Wm. J., 1	181	130	55	8	83	63	3		—		—
Stirling	Baker, Leonard, 1	149	75	38	6	32	28	1		—		—
Stoke-upon-Trent	Bacon, J. P., 1, 6 a.	118	26	12	1	67	64	8			1.	1
Stourbridge	Bowen, William P., 1, 2.	108	58	27	5	37	36	3		—		1
Stroud	Kemp, John, 1, 2, 6 a	107	49	31	6	30	17	3			2.	—
Sunderland	Thomas, Stephen, 1, 2, 6 a, 6 b.	129	Not examined.			—	—	—		—		—
Swansea	Hosford, F. F., 1, 2.	109	62	33	11	43	34	1		—		—
Taunton	Rowe, J., 1, 6 a	118	83	37	9	62	36	6		—		1
Torquay	Holmes, T., 1, 2, 6 a	174	41	24	3	58	57	4		—		1
Trowbridge	Ryles, George, 1, 6 a	49	26	17	5	38	25	6		—		—
Truro	Griffiths, Richard, 1, 6 a	46	13	8	1	4	2	—		—		—
Wakefield	Smith, Walter, 1, 2, 4, 5, 6 a; Sturgeon, William, 1, 2, 6 a, 6 b.	130	55	33	16	78	51	10		—		—
Warminster	Ryles, George, 1, 6 a	27	28	13	4	18	13	3		—		—
Warrington	Thompson, J. C., 1, 2	136	85	42	7	54	39	17		—		3
Waterford	McCloy, Samuel, 1	36	Not examined.			5	1	2		—		—
Weston-super-Mare	Cosbie, W. S., 1, 2, 3, 6 a.	64	21	6	1	33	23	1		—		—
Wolverhampton	Gunn, Archibald, 1, 6 a, 6 b,	138	49	28	7	51	40	10		—		—
Wolverton	In abeyance.	—	—	—	—	—	—	—		—		—
Worcester	Yeats, G. P., 1, 2, 3	172	59	38	5	37	25	2			1.	—
Yarmouth (Great)	Dominy, John S., 1, 2, 6 a, 6 b.	103	55	41	11	21	13	7		—		1
York	Swallow, John C., 1, 2, 6 a, 6 b.	127	40	29	7	46	42	7		—		—
	Totals, 107 Schools	19,864	7,841	4,360	1,079	7,686	6,197	711	10.	20.	51.	101
	Totals for 1868, 108 Schools.	18,474	6,478	3,961	1,197	6,824	3,098	486	10.	20.	50.	47
	Totals for 1867, 98 Schools.	17,341	5,892	3,074	884	5,588	2,212	516	10.	20.	51.	33
	Totals for 1866, 99 Schools.	18,139	5,482	2,508	890	3,426	2,023	767	10.	20.	50.	33

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Appendix C. TABLE OF FEES.

8. TABLE (F.) showing the TOTAL INCOME of SCHOOLS of ART, and the AMOUNT of FEES paid during the Year ending the 21st December 1869, by the various Classes of Persons under Instruction in Drawing, in the Metropolitan and Provincial Schools of Art.

School of Art.	From Subscriptions, Department Aid, and other Sources.	Fees paid.			Total Fees.	Total Income.
		By Private Schools.	Schools of Art.			
			By Morning Classes.	By Evening Classes.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Aberdeen	144 4 4	—	20 0 2	105 8 6	125 8 8	269 13 0
Andover	75 17 0	7 10 0	27 0 0	7 0 0	41 10 0	117 7 0
Bath	103 0 4	—	140 12 3	38 5 6	184 17 9	292 18 1
Birkenhead	205 0 6	—	120 4 6	109 10 0	229 14 6	434 15 0
Birmingham	641 8 7	—	321 15 6	486 11 6	808 7 0	1,449 15 7
Boston	58 12 11	—	95 14 0	34 12 0	130 6 0	188 18 11
Bradford	182 0 0	—	53 2 0	47 0 0	100 2 0	282 2 0
Bridgwater (no report).	—	—	—	—	—	—
Bridport	44 0 10½	—	100 1 1	18 11 7½	118 12 8½	162 13 6½
Brighton	60 15 0	—	62 19 0	27 18 6	90 17 6	151 12 6
Bristol	181 0 8	—	240 12 9	82 3 6	322 16 3	503 16 11
Bromsgrove	21 19 8	—	55 1 3	10 15 0	65 16 3	87 15 11
Burslem (in abeyance).	—	—	—	—	—	—
Cambridge	154 5 8	—	146 1 6	34 5 6	180 7 0	334 12 8
Cardiff	128 11 0	—	—	63 10 4	63 10 4	192 1 4
Carlisle	104 8 6	—	14 12 6	50 4 6	64 17 0	169 5 6
Carmarthen	58 5 0	—	16 3 0	3 6 0	19 9 0	77 14 0
Carnarvon	50 16 0	69 10 0	19 16 0	21 2 6	110 8 6	161 4 6
Cheltenham	60 6 0	110 0 0	101 4 0	36 9 0	247 13 0	307 19 0
Chester and Crewe.	80 10 0	—	21 18 0	35 4 0	57 2 0	137 12 0
Chippenham	44 0 10	—	15 17 6	27 13 6	43 11 0	87 11 10
Cirencester	44 7 0	60 0 0	42 8 6	24 15 0	127 3 6	171 10 6
Clonmel	13 18 8	—	5 2 9	14 4 0	19 6 9	33 5 5
Coalbrookdale and Wenlock.	125 6 0	—	25 5 6	25 9 6	50 15 0	176 1 0
Cork	288 17 0	—	185 12 6	37 15 0	223 7 6	512 4 6
Coventry	296 19 9	20 0 0	50 13 0	42 9 6	113 2 6	410 2 3
Croydon	105 14 0	—	170 14 6	51 12 0	222 6 6	328 0 6
Darlington	136 14 0	95 0 0	60 19 0	62 3 0	218 2 0	354 16 0
Devizes	60 3 10	14 14 0	52 11 3	15 10 6	82 15 9	142 19 7
Devonport	61 4 0	—	14 18 0	11 8 3	26 6 3	87 10 3
Dorchester	50 5 6	—	101 11 8	12 13 0	114 4 8	164 10 2
Dublin (Royal Society).	286 15 6	—	444 3 0	66 16 6	510 19 6	797 15 0
Dublin (Queen's Institute).	347 1 0	—	188 10 3	—	188 10 3	535 11 3
Dudley	106 2 2	—	23 15 6	29 19 6	53 15 0	159 17 2
Dundee	174 1 3	—	424 16 8	98 16 0	523 12 8	697 13 11
Durham	65 15 0	133 17 6	84 1 6	41 1 0	259 0 0	324 15 0
Edinburgh { Male	273 2 0	—	139 5 0	248 17 6	388 2 6	661 4 6
Edinburgh { Fem.	139 2 0	—	263 17 6	75 12 6	339 10 0	478 12 0
Exeter	201 1 6	—	178 17 6	172 0 0	350 17 6	551 19 0
Frome	89 4 0	—	40 0 0	29 9 0	69 9 0	158 13 0
Glasgow	432 16 3	100 0 0	538 18 0	352 18 6	991 16 6	1,424 12 9
Gloucester	106 7 0	—	127 4 6	50 9 0	177 13 6	284 0 6
Halifax	161 2 0	30 0 0	92 5 6	49 3 0	171 8 6	332 10 6
Hanley	293 8 0	—	15 0 0	75 13 6	90 13 6	384 1 6

TABLE showing the Amount of Fees paid during the Year, &c.—*cont.*

School of Art.	From Subscriptions, Department Aid, and other Sources.	FEES PAID.			Total Income.
		By Private Schools.	Schools of Art.		
			By Morning Classes.	By Evening Classes.	Total Fees.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Henley on Thames	11 0 8	—	26 15 0	4 17 3	31 12 3	42 12 11
Hull	93 5 0	44 2 6	71 5 9	131 13 6	247 1 9	340 6 9
Inverness (The High School).	33 4 0	12 0 0	36 0 0	19 10 0	67 10 0	100 14 0
Inverness (Royal Academy).	—	—	113 18 0	2 18 6	116 16 6	116 16 6
Ipswich	77 14 7	10 0 0	63 19 10	62 2 6	136 2 4	213 16 11
Kidderminster	184 7 0	48 0 0	24 3 0	35 9 6	107 12 6	291 19 6
Kilmarnock	80 0 0	—	88 12 8	32 3 10	120 16 6	200 16 6
Lancaster	58 10 4	20 0 0	232 8 0	27 7 0	279 15 0	338 5 4
Leeds (Mechanics' Institute).	234 19 6	75 0 0	90 3 8	76 6 9	241 10 5	476 9 11
Leeds (South Parade).	73 0 0	—	49 19 0	19 5 3	69 4 3	142 4 3
Leith	—	—	1 14 0	13 0 0	14 14 0	14 14 0
Lewes	28 13 0	20 0 0	100 1 0	14 17 0	134 18 0	163 11 0
Limerick	51 12 0	—	73 16 0	46 16 2	120 12 2	172 4 2
Lincoln	277 8 6	—	104 8 6	97 14 6	202 2 6	479 11 0
Liverpool, N. Dist.	40 15 9	70 0 0	303 4 4	43 10 0	416 14 4	457 10 1
Liverpool, S. Dist.	101 7 0	—	195 2 4	74 6 1	269 8 5	370 15 5
Macclesfield	103 0 0	53 17 0	21 16 0	40 19 0	116 12 0	219 12 0
Manchester (Royal Institution).	489 13 2	25 0 0	476 8 6	218 12 0	720 0 6	1,209 13 8
Manchester (Grammar School).	115 14 0	—	—	4 16 0	4 16 0	120 10 0
Metropolitan Schools:—						
Bloomsbury Female Sch.	224 15 3	—	563 16 6	40 7 0	604 3 6	828 18 9
Lambeth	227 14 0	—	124 16 6	138 0 3	262 16 9	490 10 9
North London	62 9 0	—	44 8 6	61 4 10	105 13 4	168 2 4
St. Martin's	126 8 0	—	—	105 12 0	105 12 0	232 0 0
St. Thomas, Charter-ho.	146 4 0	20 5 0	—	72 3 2	92 8 2	238 12 2
Spitalfields	146 6 0	—	—	106 16 0	106 16 0	253 2 0
West London	301 5 6	—	48 5 0	361 1 10½	409 6 10½	710 12 4½
Westminster	53 0 0	—	—	51 12 0	51 12 0	104 12 0
Rotherhithe	—	—	—	27 4 0	27 4 0	27 4 0
South Kensington.	—	—	2,149 5 0	435 11 0	2,584 16 0	2,584 16 0
Newcastle-under-Lyme.	116 15 2	10 0 0	—	21 7 9	31 7 9	148 2 11
Newcastle-on-Tyne	245 0 0	—	141 17 6	109 2 6	251 0 0	496 0 0
Norwich	194 8 0	—	77 1 0	50 1 0	127 2 0	321 10 0
Nottingham	519 3 6	—	109 10 0	165 11 6	275 1 6	794 5 0
Oxford	109 6 7	—	202 16 3	29 4 9	232 1 0	341 7 7
Paisley	92 6 0	—	17 1 6	64 18 6	82 0 0	174 6 0
Penzance	104 1 0	73 4 0	66 0 0	54 17 0	194 1 0	298 2 0
Perth	70 15 0	—	94 11 1	19 17 1	114 8 2	185 3 2
Preston	71 9 0	40 0 0	90 18 6	24 1 9	155 0 3	226 9 3
Reading	67 13 0	—	39 0 0	25 16 0	64 16 0	132 9 0
Salisbury	107 18 6	20 0 0	47 0 0	16 0 0	83 0 0	190 18 6
Sheffield	652 18 4	—	65 17 6	199 9 6	282 7 0	915 5 4
Shrewsbury	63 12 9	5 0 0	56 2 6	36 8 0	97 10 0	161 3 3
Southampton	79 10 0	—	119 7 4	43 4 0	162 11 4	242 1 4
Stirling	76 10 0	—	105 0 0	11 14 0	116 14 0	193 4 0
Stoke-on-Trent	236 16 6	17 0 0	11 0 0	40 19 0	68 19 0	305 15 6
Stourbridge	143 4 0	37 10 0	14 8 9	72 0 0	123 18 9	267 2 9

Appendix C.

TABLE OF FEES.

TABLE showing the Amount of Fees paid during the Year, &c.—*cont.*

School of Art.	From Subscriptions, Department Aid, and other Sources.	FEES PAID.			Total Income.
		By Private Schools.	Schools of Art.		
			By Morning Classes.	By Evening Classes.	Total Fees.	
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Stroud	26 15 0	—	88 4 0	15 0 6	103 4 6	129 19 6
Sunderland	23 3 0	—	34 15 6	39 1 1	73 16 7	96 19 7
Swansea	128 18 9	—	59 2 0	37 5 6	96 7 6	225 6 3
Taunton	53 16 0	79 0 0	130 11 6	33 12 0	243 3 6	296 19 6
Torquay	116 6 6	—	85 11 3	35 12 0	121 3 3	237 9 9
Trowbridge	46 11 0	—	46 15 0	18 6 6	65 1 6	111 12 6
Truro	28 17 0	17 5 0	4 10 0	19 15 0	41 10 0	70 7 0
Wakefield	200 18 8	—	97 9 0	53 4 0	150 13 0	351 11 8
Warminster	24 6 8	34 13 0	13 15 0	10 13 0	59 1 0	83 7 8
Warrington	93 11 6	—	113 17 6	38 14 0	152 11 6	246 3 0
Waterford	19 12 0	10 0 0	45 18 9	6 13 6	62 12 3	82 4 3
Weston-super-Mare.	61 18 6	—	30 2 6	12 15 6	42 18 0	104 16 6
Wolverhampton	147 16 4	—	46 4 0	47 3 9	93 7 9	241 4 1
Wolverton (in abeyance).	—	—	—	—	—	—
Worcester	192 2 6	20 0 0	75 3 6	24 17 0	120 0 6	312 3 0
Yarmouth (Great)	146 14 0	50 10 0	65 1 6	30 0 0	145 11 6	292 5 6
York	74 18 0	—	48 15 0	51 8 11	100 3 11	175 1 11
Grand Totals. For 1869	13,943 9 3½	1,452 18 0	12,097 1 7	6,650 19 2½	*20,200 18 9½	34,144 8 0½
For 1868	13,440 13 6	1,547 1 3	10,616 12 8	6,352 3 1½	18,515 17 0½	31,956 10 6½
For 1867	9,192 0 11	2,152 0 9	8,505 18 3½	7,145 12 3	17,803 11 3	26,995 12 2½
For 1866	7,966 3 4	2,492 0 3	9,878 5 11	6,302 2 4½	18,672 8 6½	26,638 11 10½
For 1865	Not reported.	3,417 3 1	8,555 18 0	5,383 18 3	19,592 15 0	Not reported.
For 1864		3,178 10 9	8,181 18 5	5,126 2 11	19,093 7 4½	
For 1863		3,039 9 0	7,213 18 9½	5,143 3 9½	18,425 17 5½	
For 1862		2,682 3 4	6,664 19 10	5,037 18 5	18,017 10 6	

* Under the Minutes now in action, aid is given to Schools for the Poor by payments made direct to the managers of such schools, and the fees paid by them for instruction have for the most part ceased to be returned as part of the income of Schools of Art, although many of the Schools for the Poor are still instructed by teachers who also teach in Schools of Art.

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9. TABLE (G.) showing the NUMBER of PERSONS receiving INSTRUCTION in DRAWING from PERSONS holding DRAWING CERTIFICATES granted by the SCIENCE and ART DEPARTMENT, compared with that of previous Years.

——	1855.	1856.	1857.	1858.	1859.	1860.	1861.	1862.	1863.	1864.	1865.	1866.	1867.	1868.	1869.
1. Public and other Elementary Schools for the Poor.	18,988	22,746	30,802	65,465	67,490	74,267	76,303	71,423	79,845	94,083	86,967	80,084	79,411	93,713	120,928
2. Provincial Schools of Art . .	8,274	10,201	10,238	10,784	13,787	11,121	11,569	11,521	12,497	12,733	13,045	15,597	14,639	15,908	17,247
3. Metropolitan District Schools of Art (including those in connexion with the National Art Training School at South Kensington).	610	602	778	1,147	1,309	1,530	1,791	2,342	2,522	2,794	2,657	2,542	2,702	2,566	2,617
4. Students in Training for Masters and National Scholars at South Kensington.	79	106	71	62	64	68	50	59	52	42	39	37	44	53	41
5. Schoolmasters and Pupil-teachers	1,547	1,425	1,323	2,012	2,322	2,495	2,123	2,044	1,461	1,028	919	1,049	1,651	† —	† —
6. Night Classes for Instruction in Drawing.	—	—	—	—	—	—	—	—	—	—	—	1,140	2,553	4,571	9,322
7. Private Schools, Grammar Schools, &c.	—	—	—	—	—	—	—	—	—	—	—	4,219	4,529	4,716	4,951*
8. Diocesan and other Training Colleges	—	—	—	—	—	—	—	—	—	—	—	—	—	2,035‡	2,101
Totals . . .	29,498	35,083	43,212	79,470	84,972	89,481	91,836	87,389	96,377	110,680	103,627	104,668	105,529	123,562	157,207

* Previous to the year 1866, included under head No. 1.

† Schoolmasters and Pupil-teachers are now instructed in Schools of Art, Night Classes, and Elementary Schools, and are included in the numbers given under those heads.

‡ Students in these colleges were examined in previous years, but payments in aid of their instruction were made under the regulations of this Department for the first time in 1868.

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Appendix C.
NUMBERS UNDER INSTRUCTION IN DRAWING.

Appendix C. GRANTS TO SCHOOLS OF ART.

10. RETURN showing the GRANTS made by the SCIENCE and ART DEPARTMENT to SCHOOLS of ART, NIGHT CLASSES, DIOCESAN and other TRAINING COLLEGES, and SCHOOLS for the POOR, in 1869, exclusive of the Cost of Circulation of Art Objects, Loans of Books, Pictures, &c.—(Table H.)

NAME OF SCHOOL OF ART.	Payments in Aid.			Cost of Prizes and Examples.			TOTAL.		
	£	s.	d.	£	s.	d.	£	s.	d.
Aberdeen	153	5	0	9	3	10	162	8	10
Andover	50	14	0	0	13	10	51	7	10
Bath	*319	0	11	18	13	6	337	14	5
Birkenhead	135	13	0	10	19	1½	146	12	1½
Birmingham	449	9	0	28	13	0	478	2	0
Boston	61	11	11	5	2	3	66	14	2
Bradford	102	11	0	28	3	4	130	14	4
Bridgwater	5	10	0	2	7	3	7	17	3
Bridport	40	0	0	3	3	3	43	3	3
Brighton	42	17	0	4	10	10	47	7	10
Bristol	165	6	0	25	6	4	190	12	4
Bromsgrove	9	1	8	1	2	3	10	3	11
Burslem	10	0	0	30	3	3	40	3	3
Cambridge	96	18	4	10	7	8	107	6	0
Cardiff	68	5	6	5	12	1	73	17	7
Carlisle	93	4	6	6	12	6	99	17	0
Carmarthen	26	15	0	0	15	3	27	10	3
Carnarvon	38	6	0	4	1	4	42	7	4
Cheltenham	64	16	0	6	12	4	71	8	4
Chester	81	2	0	5	16	1	86	18	1
Chippenham	52	17	0	4	4	0	57	1	0
Cirencester	48	16	0	3	13	4	52	9	4
Clonmel	13	18	8	6	7	6	20	6	2
Coalbrookdale	102	12	0	5	0	9	107	12	9
Cork	100	8	3	11	10	3	111	18	6
Coventry	131	18	6	13	8	8	145	7	2
Croydon	59	16	0	7	6	11	67	2	11
Darlington	82	18	8	7	1	11½	90	0	7½
Devizes	34	17	10	4	19	3	39	17	1
Devonport	71	9	0	3	15	4	75	4	4
Dorchester	25	8	0	3	3	8	28	11	8
Dublin, Royal Society	207	17	0	49	19	8	257	16	8
,, Queen's Institute	Nil.			4	14	2½	4	14	2½
Dudley	21	12	0	6	13	1	28	5	1
Dundee	182	14	9	15	16	6	198	11	3
Durham	41	11	0	4	11	6	46	2	6
Edinburgh Male	281	4	0	35	7	6	316	11	6
Edinburgh Female	167	4	0	12	5	1	179	9	1
Exeter	136	18	0	13	10	7	150	8	7

* This item includes 200*l.* towards building the School of Art.

Return of Grants, &c.—*continued.*

NAME OF SCHOOL OF ART.	Payments in Aid.			Cost of Prizes and Examples.			TOTAL.		
	£	s.	d.	£	s.	d.	£	s.	d.
Frome	87	4	0	29	18	8¼	117	2	8¼
Glasgow	279	13	3	39	10	10	319	4	1
Gloucester	84	6	0	8	7	0½	92	13	0½
Halifax	137	15	6	12	4	7	150	0	1
Hanley	126	15	0	4	10	10	131	5	10
Henley-on-Thames	11	0	8	1	11	0	12	11	8
Hull	100	8	6	6	19	10	107	8	4
Inverness (High School)	24	1	0	2	7	5	26	8	5
„ (Royal Academy)	Nil.			Nil.			Nil.		
Ipswich	91	17	1	6	8	9	98	5	10
Kidderminster	102	17	0	23	12	7	126	9	7
Kilmarnock	88	1	6	11	11	6½	99	13	0½
Lancaster	63	11	4	6	18	8	70	10	0
Leeds (Mechanics' Institution)	221	16	0	75	18	6¾	297	14	6¾
„ 9, South Parade	Nil.			12	19	5	12	19	5
Leith	Nil.			31	17	2½	31	17	2½
Lewes	28	13	0	22	0	9½	50	13	9½
Limerick	51	12	0	8	3	8	59	15	8
Lincoln	225	5	0	36	5	10	261	10	10
Liverpool (North District)	44	18	4	10	8	3¾	55	6	7¾
„ (South District)	86	19	0	20	0	9	106	19	9
Macclesfield	78	4	8	6	19	11	85	4	7
Manchester (Royal Institution)	136	9	4	33	14	3	170	3	7
„ (Grammar School)	Nil.			3	3	0	3	3	0
Metropolitan:—									
Bloomsbury, Female School	228	12	3	30	4	11¼	258	17	2½
Lambeth	208	14	0	50	5	5	258	19	5
Kingsland, North London	62	9	0	9	3	8¾	71	12	8¾
St. Martin's, Long Acre	136	8	0	11	9	8	147	17	8
St. Thomas Charterhouse	166	4	0	17	18	8	184	2	8
Spitalfields	118	13	0	6	1	1	124	14	1
West London	287	3	6	16	5	9¾	303	9	3¾
Westminster	57	6	0	5	3	0	62	9	0
Rotherhithe	Nil.			3	15	2	3	15	2
South Kensington	Nil.			132	11	10	132	11	10
Newcastle-under-Lyme	57	6	2	4	14	3	62	0	5
Newcastle-on-Tyne	227	19	0	16	13	4¾	244	12	4¾
Norwich	129	4	0	4	14	7	133	18	7
Nottingham	344	9	0	75	0	7	419	9	7
Oxford	88	4	2	24	2	0½	112	6	2½
Paisley	102	6	0	12	14	10	115	0	10
Penzance	86	0	0	6	8	2	92	8	2
Perth	79	3	6	10	4	0½	89	7	6½
Preston	63	13	0	5	16	6½	69	9	6½

Appendix C.

GRANTS TO SCHOOLS OF ART.

Return of Grants, &c.—*continued.*

NAME OF SCHOOL OF ART.	Payments in Aid.			Cost of Prizes and Examples.			TOTAL.		
	£	*s.*	*d.*	£	*s.*	*d.*	£	*s.*	*d.*
Reading	71	2	6	3	16	7	74	19	1
Salisbury	72	3	0	1	18	0	74	1	0
Sheffield	272	15	0	88	4	6	360	19	6
Shrewsbury	18	5	3	0	15	0	19	0	3
Southampton	93	12	0	7	12	4	101	4	4
Stirling	36	10	0	3	10	0	40	0	0
Stoke-upon-Trent	113	8	2	6	2	11	119	11	1
Stourbridge	68	1	0	7	6	9¾	75	7	9¾
Stroud	21	18	4	5	4	4	27	2	8
Sunderland	Nil.			24	10	4¾	24	10	4¾
Swansea	85	14	9	4	14	2	90	8	11
Taunton	44	12	2	8	15	10	53	8	0
Torquay	72	11	10	3	19	5	76	11	3
Trowbridge	32	19	10	5	12	3	38	12	1
Truro	16	17	0	1	7	7	18	4	7
Wakefield	105	4	6	11	7	2	116	11	8
Warminster	18	6	8	3	13	8	22	0	4
Warrington	89	19	6	16	1	2	106	0	8
Waterford	8	12	0	1	4	2	9	16	2
Weston-super-Mare	31	18	6	1	0	6	32	19	0
Wolverhampton	68	4	10	7	11	1	75	15	11
Worcester	56	12	0	3	16	0	60	8	0
Yarmouth (Great)	62	6	0	9	0	6	71	6	6
York	74	9	0	6	3	9	80	12	9
Total Aid to Schools of Art	9,829	14	1	1,513	18	4¾	11,343	12	5¾
Aid to Night Classes (see p. 208)	2,428	8	0	665	10	1½	3,093	18	1½
Aid to Diocesan and other Training Colleges (see p. 206).	246	10	0	242	5	4	488	15	4
Aid to Schools for the Poor (see p. 164).	5,682	17	0	1,203	12	11	6,886	9	11
Schools not entitled to receive Payments in Aid (see p. 222).	Nil.			43	10	1¼	43	10	1¼
GRAND TOTALS for 1869	18,187	9	1	3,668	16	10½	21,856	5	11½
,, for 1868	16,242	18	5	3,968	18	7¾	20,211	17	0¾
,, for 1867	8,437	18	8	1,679	9	6¾	10,117	8	2½
,, for 1866	7,306	17	10	2,233	15	4½	9,540	13	2½

E. P. BARTLETT,
Official Examiner.

11. Details of Prizes issued to Art Schools and Classes, 1869.—(Table I.)

Appendix C.
Art Prizes issued, 1869.

	Quantity.	Value.	Total Value.
Art Schools.			
First grade Prizes.		£ s. d.	£ s. d.
Small Drawing Boards - -	3,557	355 14 0	
Universal Compasses - -	1,872	257 8 0	
Small Colour Boxes - -	792	79 4 0	
Total - -	6,221		692 6 0
Second grade Prizes.			
Boxes of Instruments - -	403	201 10 0	
„ Water Colours - -	438	219 0 0	
Drawing Boards, T Squares, &c. -	46	18 15 8	
Burchett's Geometry - copies of	386	73 19 8	
„ Perspective - „ -	559	146 14 9	
Wornum's Analysis, and Lindley's School Botany - - -	104	52 17 4	
Cotman's Pencil Outlines - -	21	10 10 0	
„ Sepia Landscapes - -	106	63 12 0	
Boxes of Crayons - - -	82	41 0 0	
Puckett's Sciography - copies of	120	23 0 0	
Stanley on Mathematical Instruments -	49	8 11 6	
Total -	2,314		859 10 11
Third grade Prizes.			
Gullick and Timbs' Painting, copies of	145	56 15 10	
Scott's Half-Hour Lectures „ -	92	48 13 8	
Wornum's Lectures - „ -	41	16 1 2	
Duppa's Michael Angelo - „ -	113	44 5 2	
Ruskin's Elements of Drawing -	25	12 7 11	
Photographs of Raphael's Cartoons, sets of	116	60 18 0	
„ „ Drawings, sets of	125	93 15 0	
Crowe and Cavalcaselle on Painting, copies of	88	59 15 4	
Bradley's Geometrical Drawing, Part 1 copies of	38	20 5 4	
„ „ Part 2 copies of	17	9 1 4	
Timbs' Biography of Painters, copies of	29	12 6 6	
Total -	829		434 5 3
Certificates.			
First grade Certificate Cards - -	27,914		
Second „ „ - -	7,469		
„ „ Certificates - -	328		
School Teachers' Certificates - -	28		
Total -	35,739		
Carried forward -	- -	- - -	1,986 2 2

Appendix C.

ART PRIZES ISSUED, 1869.

Details of Prizes issued—*continued.*

	Quantity.	Value.			Total Value.		
		£	s.	d.	£	s.	d.
Brought forward -	- -	-	-	-	1,986	2	2
Queen's Prizes.							
Gold Medals and Cases - -	10	162	6	8			
Silver Medals and Cases - -	20	28	13	4			
Bronze Medals and Cases - -	35	10	15	10			
Wornum's Epochs of Painting, copies of	8	9	14	0			
Robinson's Italian Sculpture - „	18	24	6	0			
Leslie's Handbook of Painting „	16	13	12	0			
Works of Sir Joshua Reynolds, 2 vols. copies of	14	12	9	8			
Eastlake's Materials, &c. „	5	5	10	0			
Scott's Gothic Architecture „	2	1	13	6			
Westmacott's Handbook of Sculpture, copies of	2	1	4	10			
Wornum's Life and Works of Holbein, copies of	2	3	2	0			
Burnet on Composition „	3	1	16	0			
„ Light and Shade „	1	0	14	6			
„ Education of the Eye „	1	1	0	0			
Wilkinson's Egyptians, 2 vols. „	5	6	5	0			
Ferguson's History of Architecture, Vol. I. - - - copies of	1	2	2	0			
Roscoe's Life of Lorenzi di Medici, copies of	1	0	6	2			
Cartoons. No. 5. - set of	1	0	7	0			
Photographs - - - -	65	6	16	0			
Bronze Vase - - - -	1	0	13	6			
Total -	211				293	8	0
TRAINING COLLEGES.							
Second grade Prizes.							
Boxes of Instruments - -	335	167	10	0			
„ Water Colours - -	248	124	0	0			
Drawing Boards, T Squares, &c. -	25	10	4	2			
Burchett's Geometry - copies of	128	24	10	8			
„ Perspective - „ -	453	118	18	3			
Wornum's Analysis and Lindley's School Botany - copies of	13	6	12	2			
Cotman's Pencil Outlines - -	11	5	10	0			
„ Sepia Landscapes - -	81	48	12	0			
Boxes of Crayons - - -	41	20	10	0			
Puckett's Sciography - copies of	4	0	15	4			
Stanley on Mathematical Instruments copies of	9	1	11	6			
Total -	1,348				528	14	1
Certificates.							
Second grade Certificate Cards -	2,760						
School Teachers' Certificates - -	217						
Total -	2,977						
Carried forward -	- -	-	-	-	2,808	4	3

Details of Prizes issued—*continued.*

	Quantity.	Value. £ s. d.	Total Value. £ s. d.
Brought forward -	- -	- - -	2,808 4 3
PUPIL-TEACHERS.			
Second grade Prizes.			
Boxes of Instruments - - -	2	1 0 0	
„ Water Colours - -	6	3 0 0	
Drawing Boards, T Squares, &c. -	1	0 8 2	
Burchett's Geometry - copies of	2	0 7 8	
„ Perspective - „	3	0 15 9	
Wornum's Analysis and Lindley's School Botany - - -	2	1 0 4	
Cotman's Pencil Outlines - -	1	0 10 0	
„ Sepia Landscapes - -	1	0 12 0	
Boxes of Crayons - - -	2	1 0 0	
Total -	20		8 13 11
Certificates.			
Second grade Certificate Cards -	16		
„ Certificates - -	16		
School Teachers' Certificates - -	118		
Total -	150		
Total Art Prizes -	49,809	- - -	2,816 18 2

W. G. GROSER, Storekeeper.

12. AID BY EXAMPLES, APPARATUS, and FITTINGS, granted to SCHOOLS of ART, SCHOOLS for the POOR, and MECHANICS' and other INSTITUTIONS for ARTIZANS, &c.—(Table K.)

AID BY ART EXAMPLES.

Locality.	Name of School or Institution.	Amount of Aid. £ s. d.
Abbots Langley -	Parochial School - - -	0 16 9
Abingdon - -	British School - - -	3 14 3
Ackworth - -	British School - - -	1 7 9
Alnwick - -	Mechanics' Institute - -	4 15 0
Askern - -	National School - - -	1 5 7
Ballincollig - -	Art Night Class - - -	1 14 1
Ballykinlar - -	Clough National School - -	3 0 7
Banbury - -	Art Night Class - - -	12 18 0
Bangor - - -	St. Paul's Wesleyan School -	1 4 4
Bankfoot - -	Subscription School - -	1 17 11
Banton - - -	Art Night Class - - -	2 10 0
Barnard Castle - -	Mechanics' Institute - -	1 0 5
Barnstaple - -	Literary Institution - -	7 11 9

Appendix C.

AID BY ART EXAMPLES.

Aid by Examples—*cont.*

Locality.	Name of School or Institution.	Amount of Aid. £	s.	d.
Barnstaple - -	Literary and Scientific Institution -	1	12	6
Barrow-in-Furness -	St. George's School - -	2	0	1
Bath - - -	School of Art - - -	3	15	11
„ - - -	Blue Coat Hospital - -	2	5	7
„ - - -	Lyncombe, St. Mark's School -	0	18	4
„ - - -	Weymouth House School - -	1	10	11
Bawtry - -	Town School - - -	1	3	5
Bensham - -	St. Cuthbert's School - -	2	11	7
Berkeley - -	Church of England School -	3	10	9
Bewdley - -	Bewdley and Wribbenhall Art Night Class.	1	14	1
Bicester - - -	National School - - -	2	10	6
Bingley - - -	Mechanics' Institution - -	5	13	7
Birkenhead - -	School of Art - - -	2	17	4½
„ - -	St. Mary's Church School - -	1	17	6
Birmingham - -	Bishop Ryder's School - -	5	14	3
„ - -	Bloomsbury Institution - -	0	7	8
„ - -	„ „ „ -	1	13	0
„ - -	Edgbaston, Middle Class School -	1	5	10
„ - -	„ „ -	1	9	2
„ - -	Heath Street, Protestant School -	3	12	5
„ - -	Lozells Art Night Class - -	2	5	7
„ - -	„ „ - -	4	4	7
„ - -	St. Clement's Art Night Class -	4	15	3
„ - -	St. Luke's School - - -	1	0	3
„ - -	St. Thomas' National School -	3	15	10
Blackburn - -	St. John's National School -	1	16	8
„ - - -	St. Peter's School - -	2	10	3
Bowling - -	Public School - - -	2	10	8
Bradford - -	School of Art - - -	2	9	5
Braintree - -	Art Night Class - - -	2	16	4
Brechin - - -	Bank Street School - -	0	3	2
Bredbury - -	St. Mark's National School -	2	1	7
Bridlington - -	National School - - -	3	4	8
Brighton - -	St. John's National School -	0	15	7
Bristol - - -	Colston's Temple Church School -	2	17	0
„ - - -	Counterslip British School - -	1	6	3
„ - - -	Diocesan Trade School - -	4	8	1
„ - - -	The Friends' School - -	4	1	9
„ - - -	The Hannah More School - -	2	17	7
„ - - -	Highbury British School - -	1	10	2
„ - - -	Redcross St. British School -	4	16	3
„ - - -	St. Luke's National School -	4	1	3
Burslem - -	School of Art - - -	10	10	0
„ - - -	„ „ „ - -	10	8	3
„ - - -	„ „ „ - -	10	9	5
Bury - - -	St. Paul's Church of England School	3	2	3
„ - -	„ „ „	3	7	3
Cambridge - -	Barnwell Abbey School - -	1	4	0
„ - -	East Road National School -	0	18	4
Cambusnethan - -	Parish School - - -	3	14	10
Campbeltown - -	United Presbyterian School -	0	17	0
Carcroft - -	National School - - -	0	8	7
Carlisle - -	British School - - -	0	12	6
„ - - -	Christ Church National School -	5	0	4

Aid by Examples—*cont.*

Locality.	Name of School or Institution.	Amount of Aid. £	s.	d.
Carlisle	Holme Head British School	8	3	2
Carnarvon	School of Art	2	9	10
Catshill	National School	0	12	2
Charleston	Glamis School	5	6	10
Chatham	St. John's National School	0	3	2
Cheltenham	Parish Boys' School	4	4	7
"	St. John's National School	3	5	0
Chepstow	National School	2	17	10
Chesterfield	Art Night Class	7	2	10½
Clay Cross	" "	9	18	6
Clonmel	School of Art	6	7	6
Collingham	Art Night Class	4	0	1
"	" "	2	19	4¾
Crewe	Mechanics' Institute	1	8	0
"	Wesleyan School	2	14	6
Crieff	St. Columba's Episcopal School	3	8	11
Derby	St. Andrew's School	2	15	9
Dingwall	Free Church School	0	10	10
Doncaster	British School	1	2	11
"	Teachers' Association	2	17	3
Dorchester	School of Art (Fittings)	9	19	1
Dorking	Working Men's Institute	2	6	10½
"	" "	8	5	9
Dublin	(Queen's Institute) School of Art	4	12	6¾
"	"	0	1	7½
"	"	0	4	8¾
"	(Royal Society's) School of Art	26	15	2
"	" "	0	10	2
"	Masonic Female Orphan School	2	0	2
"	West Dublin Model National School	1	17	5
Dudley	School of Art	1	18	3
"	" "	0	17	6
"	St. James' Art Night Class	3	15	6
Dumbarton	Burgh Academy	5	1	2
Dundee	Blackscroft East Parish School	3	8	6
Dunkeld	Royal School	2	1	9
Eastington	National School	4	10	4
East Wemyss	Free Church School	1	15	1
Edinburgh	Free Church Training College	1	18	10
Falkirk	Free Church School	1	7	3
Farnborough	Church of England School	1	17	4
Farnworth	Mechanics' Institution	1	9	0
Faversham	District National School	1	19	10
Feering	National School	1	8	6
Fenny Stratford	British School	2	10	3
Fishguard	National School	5	3	5
Frome	School of Art	15	11	1½
"	" "	5	2	4
"	British School	2	13	6
Gainsborough	Wesleyan School	2	2	0
Garforth	Parochial School	1	1	2
Girvan	Grammar School	1	18	1

Appendix C.

AID BY ART EXAMPLES.

Aid by Examples—*cont.*

Locality.	Name of School or Institution.	Amount of Aid. £	s.	d.
Glasgow	Cathcart Street School	5	18	8
„	Green Street Mission School	1	19	10
„	Highland Society's School	2	7	9
„	Maxwell Sessional School	6	11	3
„	„ „ „	6	7	1
„	St. Matthew's Free Church School	2	2	9
„	Thornliebank School	2	0	10
„	The Trades' School	0	17	6
Glasnevin	Claremont Deaf and Dumb Institute	1	13	7
Glastonbury	Boys' National School	5	8	3
Gloucester	School of Art	3	6	11½
Grantham	British School	1	4	0
Greenock	Finnieston Free Church School	2	6	4
Hadleigh	Boys' National School	2	8	11
Halifax	School of Art	3	14	9
Halstead	Literary Institution	3	12	10
Harborne	British School	1	2	0
Hemel Hempsted	Frogmore End Ch. of Eng. School	2	0	6
Hoddesdon	Art Night Class	0	9	3
Horton	Art Night Class	0	5	11
Huddersfield	Mechanics' Institution	2	1	9
„	„ „	0	15	4
„	„ „	10	0	11¾
Hull	Holderness Ward, British School	0	9	10
„	Seamen's and General Orphan Asylum.	3	12	8
„	South Myton Wesleyan School	5	5	7
Hurlford	Hurlford and Portland Iron Works	5	12	6
Idle	Holy Trinity Church School	2	10	2
Kilmarnock	School of Art	0	16	0
„	„ „	1	14	5¼
Langham Episcopi	National School	0	5	1
Leamington	Art Night Class	3	6	0
Leeds	School of Art (South Parade)	12	19	5
„	„ („ „)	28	5	5
„	School of Art (Mechanics Institution).	14	13	0
„	Basinghall Street School	0	12	1½
„	Beeston Hill Congregational School	2	13	0
„	St. Simon's School	3	9	11
„	St. Peter's School	4	15	11
„	Woodhouse Mechanics' Institution	4	9	1
„	Working Men's Institute	5	10	0
„	Young Men's Christian Association	5	8	6
„	„ „ „	9	4	10
„	„ „ „	1	8	1
Leicester	St. Margaret's School	1	19	0
Leith	School of Art	18	13	3
„	„ „	13	3	11¼
Levens	Church of England School	1	3	9
Lewes	School of Art	1	16	10
„	„ „	14	6	7½

Aid by Examples—*cont.*

Locality.	Name of School or Institution.	Amount of Aid. £	s.	d.
Lewes	School of Art (Fittings)	1	15	7
"	" "	21	7	6
"	British School	0	10	9
Limerick	Presentation Convent School	3	6	11
"	St. Mary's Convent School	2	18	10
Lincoln	School of Art	4	9	9
"	" "	3	16	6
"	" "	7	10	4
"	" "	6	10	6
Liverpool	School of Art	1	19	3
"	" "	5	6	0
"	" "	1	3	11
"	St. Augustine's Night Class	2	11	6
Liskeard	Art Night Class	1	14	1
Llanboidy	National School	1	3	9
Llandaff	Deaf and Dumb School	2	5	6
Llanelly	Mechanics' Institution, Art Night Class.	0	16	10¾
"	" " "	3	0	9
"	" " "	0	19	8
Loughor	National School	3	4	10
Lowestoft	St. John's Art Night Class	5	12	6
Lumphanan	Parish School	2	1	3
Maryport	National School	1	5	6
Manchester	School of Art	0	10	9
"	Heywood, St. James' School	6	10	7
"	West Gorton, St. Mark's School	3	2	7
"	Union Institute	3	13	0
Market Harborough	British School	1	0	5
Maryport	National School	1	5	6
Masham	National School	1	11	5
Melksham	Art Night Class	5	13	7
"	British School	1	8	5
Metropolitan :—				
Battersea	St. John's National School	2	16	1
"	Training College	1	2	0
Bethnal Green	St. James the Less School	4	16	0
Bloomsbury	School of Art	3	18	9
Borough Road	Model School	2	18	4
Brentford	British School	4	11	3
Burrage Town	St. James' British School	1	14	6
Camberwell	Crawford Street British School	2	10	6
Clapton	Educational Home	6	1	9
"	London Orphan Asylum	3	12	9
Gray's Inn Road	Home and Colonial Training College	6	0	3
Heston	National School	2	8	4
Kent Road	British School	2	9	9
Kew	Art Night Class	6	12	5
Kingsland	North London School of Art	4	2	9
Lambeth	School of Art	5	0	1¼
"	" "	7	19	0
"	" "	3	2	3
Leadenhall Street	City of London College	1	5	1
Limehouse	St. John's National School	7	1	6
Marylebone	Central Boys' National School	6	2	6

Appendix C.

AID BY ART EXAMPLES.

Aid by Examples—*cont.*

Locality.	Name of School or Institution.	Amount of Aid. £	s.	d.
Metropolitan—*cont.*				
Marylebone	Portland British School	4	7	8
"	Portman Chapel School	2	8	2
Mayfair	Curzon School	2	6	8
Newington	Trinity School	1	11	3
Notting Hill	Horbury British School	2	10	3
Paddington	St. James' National School	3	17	9
"	" "	1	11	8
Spitalfields	School of Art	8	7	4¾
"	" "	5	0	4
"	Domestic Mission	0	19	1
Stepney	Red Coat School	6	12	5
Stoke Newington	British School	0	19	6
Theobald's Road	St. George the Martyr School	0	19	6
West London	School of Art	4	18	2¾
Westminster	Christ Church National School	3	8	2
"	St. Stephen's National School	0	10	10
"	" "	0	6	4
Woolwich	Western District Mission	0	15	7
Merthyr Tydfil	British School	7	4	3
Middlesbro'-on-Tees	Mechanics' Institution	7	16	6¼
" "	" "	11	2	2
Morley	St. Peter's National School	4	10	0
Moxley	National School	2	15	2
Newcastle-on-Tyne	School of Art	0	17	1
" "	" "	2	17	10
" "	" "	1	8	4½
" "	" "	3	3	9
Newport	National School	1	19	6
North Shields	Free Library	3	5	8
"	Kettlewell's Endowed School	1	18	6
Norwich	St. Mark's School	1	7	1
Nottingham	The People's College	2	11	7
"	School of Art	8	0	10
"	" "	1	0	5
"	" "	10	4	0
Old Monkland	Parochial School	4	1	3
Oxford	Wesleyan School	5	13	4
"	" "	7	4	4½
"	Wesleyan School	4	4	9
Pavenham	Church of England School	3	5	9
Penrith	Wesleyan School	1	18	7
Pensnett	National School	1	7	5
"	British School	5	18	10
"	" "	2	4	10
Perth	School of Art	1	7	5
"	" "	5	5	6
"	Kinnoull Parish School	4	3	0
"	St. Andrew's Episcopal School	0	8	4
"	Sharp's Educational Institution	2	10	7
"	St. Peter's College	2	2	7
Peterborough	Benevolent School	4	11	10
Pill	Wesleyan School	2	8	3
Pillgwenlly	St. Andrew's Chapel School	2	5	6
Plymouth				

Aid by Examples—*cont.*

Locality.	Name of School or Institution.	Amount of Aid. £	s.	d.
Plymouth	Science and Art School	3	2	2
"	" "	3	5	1
Preston	School of Art	1	9	0
Prestwich	National School	2	10	9
Rochdale	Clover Street School	2	0	4
Rough Lee	British School	0	15	11
Runcorn	National School	5	9	0
St. Just	Art Night Class	1	19	6
Seaham Harbour	" "	6	11	6
Selby	Wesleyan School	0	14	4
Sheffield	School of Art	40	18	6
"	" "	2	19	11¼
Sherborne Abbey	National School	1	8	3
Skelmanthorpe	" "	1	4	1
Skipton	Mechanics' Institution	2	1	6
Slaithwaite	Mechanics' Institute	3	4	1
Southampton	School of Art	2	15	1
"	St. James' National School	1	16	9
Sowerby Bridge	Art Night Class	1	1	1
"	"	3	0	7
Stapleford	St. John's School	3	14	10
Staveley	Staveley Works Art Night Class	8	10	7
Stockport	Mechanics' Institution	1	15	7
"	Sunday School	2	0	4
Stockton-on-Tees	Art Night Class	6	9	8
"	" "	6	8	7½
Stoke Prior	National School	1	17	0
Stonehouse	Free Church School	6	4	4
Stourbridge	School of Art	0	18	9
Sunderland	" "	15	8	2¾
"	" "	9	1	6
Swansea	" " (Fittings)	41	3	9
Sydenham Damerel	Art Night Class	0	11	3
Taff's Well	British School	1	6	11
Tavistock	Art Night Class	1	1	4½
"	" "	1	6	1
"	Gulworthy Science & Art Night Class	8	0	9
Thirsk	Mechanics' Institution	5	13	10
"	" "	4	16	3
Torquay	School of Art	3	2	9
Tranent	Free Church School	2	3	9
Tullamore	Christian School	3	6	6
Wakefield	Green Coat Charity School	0	15	3
Warrington	People's College	3	12	6
"	Training School	1	8	8
Washington	National School	2	11	6
Wednesbury	British School	2	10	4
"	St. Bartholomew's Art Night Class	0	6	8
"	St. James' School	2	14	4
"	St. John's School	2	5	11
Weston	Art Night Class	1	18	3
Weston-super-Mare	Albert Memorial Night Class	1	15	3½

Appendix C.

AID BY ART EXAMPLES.

Locality.	Name of School or Institution.	Amount of Aid.
		£ s. d.
Weston-super-Mare	Albert Memorial Night Class	1 10 11
Weymouth	Working Men's Club	6 3 9
Whittington	National School	1 1 2
Wickham Market	" "	2 13 3
Widnes	Parish Church Schools	1 1 0
Wilmslow	National School	1 6 2
Wisbech	St. Peter's School	1 14 4
Woburn	British School	1 3 5
Wollaston	St. James' School	0 15 4
Wolverhampton	St. Mark's Art Night Class	1 4 1
"	St. Peter's School	2 11 4
Wolverton	Art Night Class	5 2 0
Worcester	Working Men's Hall	4 14 10
Wordsley	Art Night Class	4 9 1
Yeovil	St. John's School	2 3 10
No. of requisitions,—342.	Total	£ 1,301 8 11¾

Examined. E. P. BARTLETT,
Official Examiner.

TRAINING AND NORMAL SCHOOLS.

13. REPORT on the TRAINING and NORMAL SCHOOLS for the YEAR 1869.

SIR,

I HAVE the honour to forward my annual report of the Training and Normal School for the scholastic year ending 31st July 1869.

Number of students receiving allowances.

During that period 34 students in training, and 26 national scholars have received allowances, of from 10*s.* to 2*l.* a week; 6 students in training have been appointed to masterships of schools, 2 were employed as temporary reliefs for masters of provincial schools, 2 were dismissed for unsatisfactory conduct, and 1 retired, who has since been appointed to a metropolitan district school; 4 female students in training have been transferred to porcelain painting, and are employed on works for the new buildings, and 2 have obtained appointments in America as teachers.

pointed Art school-masters.

The students in training have received appointments—1 to the School of Art, Perth, 1 to Burslem, and 1 to Dudley as sole masters; 1 to Oxford, and 1 to Sheffield Schools of Art as second masters, and 1 as teacher of drawing to the Grammar School, Manchester.

The Schools of Art at Hull and Wolverhampton have been supplied temporarily with teachers during the enforced absence of the masters of those schools.

Employed by the Department and by private employers.

At the close of the year ending 31st July 1868, 3 national scholars were taken into the employment of the Department for the execution of work for the new buildings, 3 others retired, their term of scholarship having expired. Of these Mr. Kingman was engaged as designer by Messrs. Brinton & Lewis, Carpet Manufacturers of Kidderminster. Mr. G. Morgan was engaged as assistant by Messrs. Wyon the Medallists, and Mr. Simpson works as a painter on porcelain. One was dismissed for unsatisfactory conduct.

At the close of the session ending February 1869, 10 national scholars retired on the expiration of their scholarships; 1, Mr. Wright, was engaged by Messrs. Blashfield, the terra-cotta manufacturers of Stam-

ford, as designer and modeller; 1 was taken into the employment of the Department; 1, Mr. Mackenness, went to take charge of a decorator's business at St. Neot's, Huntingdonshire; Mr. Sharpe was engaged as designer and glass painter by Messrs. Morris & Co., of London; Mr. Morrison has established himself in London as designer for textile fabrics; Mr. Randall was engaged by Messrs. Hartley & Co., Westminster Marble Co., as designer; Mr. Beesley returned to Birmingham as a modeller and designer for metal-work; 1 retired, 1 died, and 1 was removed on account of mental disease. At the close of the session ending July 1869, and being the conclusion of the scholastic year, 2 national scholars retired; 1, Mr. Rushworth, obtained appointment as designer at the carpet manufactory of Messrs. Crossley, Halifax; 1 has been employed as a decorator, and 1 was transferred to the training class. Thus in the year from July 31, 1868, to July 31, 1869, 19 national scholars have passed through and left the schools, having obtained employment as above.

New students in training and national scholars.

During the year ending 31st July 1869, 8 male and 2 female students were admitted into the training class, and 11 were appointed national scholars. The students were drafted from the following schools:— Birmingham, 1; Bristol, 1; Carmarthen, 1; Charterhouse, 1; Cirencester, 1; Coventry, 2; Dundee, 1; Halifax, 1; Kidderminster, 1; South Kensington, 6, 2 being female students; Newcastle-on-Tyne, 1; Nottingham, 1; Oxford, 1; Sheffield, 1; York, 1.

Twelve of the students in training are practised in teaching in the normal and district schools of London, and in two parochial schools.

Free students.

During the year a total number of 155 students have attended the schools without payment of fees, of this number 34 were students in training, and 26 were national scholars in receipt of allowances; 42 won free admission, by passing examinations or obtaining medals; 18 men of the Royal Engineers were instructed, and the remainder consisted of students who were formerly students in training, national scholars or employés of the Department or their children.

Number of students paying fees.

As a normal school, the number of students of all classes who paid fees in the half-year ending February 28, 1869, was 299 males and 211 females; total, 510. The amount of fees was 1,354*l.* 18*s.*; of this sum 227*l.* 8*s.* was paid by "evening" students only, and the balance 1,127*l.* 15*s.* by "day" students.

In the half-year ending 31st July 1869 there were 260 male and 239 female students paying fees; total, 499. The amount of fees was 1,229*l.* 18*s.*; of this sum 183*l.* 3*s.* was paid by "evening" students only, and 1,046*l.* 10*s.* by "day" students, making a total amount for the year of 2,584*l.* 16*s.*, and showing an increase on the fees of the preceding year of 422*l.* 16*s.*

Total attendance.

The whole number of students in the schools in the *session* ending 28th February 1869 was 659, of these 390 were males and 260 females.

This includes 104 artisans, 7 schoolmasters, and 7 schoolmistresses.

In the session ending 31st July 1869, the whole number of students taught was 654, of these 361 were male students and 293 females. This includes 59 artisans, 4 schoolmasters, and 7 schoolmistresses.

The number of *individual* students during the year has been 895, of these 531 were males and 364 females.

The schools were open 204 days during the year, and the attendance of every student was recorded daily.

The smallest attendance recorded was 77, on the 2nd October, the largest 462, on the 7th May; the total number of attendance recorded for the whole year was 69,248, and the average daily attendance 339. Exhibiting an increase on the preceding year of 10,308 total attendances, and of 53 average daily attendances.

Appendix C. — TRAINING AND NORMAL SCHOOLS.

Results of examination in 1869.

The results of the annual examination in 1869 were as follows:—Of certificates of the third or highest grade—

8 First or Elementary,
3 Second or Painting,
2 Sixth or Architectural,

were taken by students in these schools; 3 first or elementary being taken by students not then in receipt of allowances.

I regret that owing to the demand made for masters I have found it impossible to retain students in training long enough in the school to obtain the 3rd certificate. In 1868 6 students went up for the 2nd certificate, 4 of this number obtained it, all of whom were appointed to schools in the course of the following year. The two who did not complete the 2nd certificate in 1868 obtained it in 1869 and are now working for the 3rd, but will probably leave before another examination will enable them to obtain it.

Prizes obtained in national competition.

At the national competition, 2 gold medals, 4 silver medals, 5 bronze medals, 8 books, Queen's prizes; 7 third grade prizes and 12 free studentships in the elementary stages or local prize section, were won by the students of the male school; 1 gold medal, 2 silver medals, 7 bronze medals, 13 books, Queen's prizes; 22 third grade prizes, and 10 free studentships in the elementary stages or *local* prize section, were won by the students of the female school; by the district school at Rotherhithe, 3 third grade prizes were obtained.

At the second grade examination 142 went up for examination; 120 passed, and 36 obtained prizes, and 5 students won admission to the schools at half fees.

Other prizes, &c. obtained by students.

Besides the above regular prizes and distinctions occasional prizes have been offered by the department, and by manufacturers during the year, some for general competition, and some only for this school.

By the former 22*l.* was offered in 11 prizes for designs for fans, the competition being limited to female students; of these the students of this school won 3 to the value of 7*l.* The Worshipful Company of Plasterers offered prizes of 25*l.* for designs for a "truss" and an "overdoor ornament," limiting however the students of this school to one subject; two students obtained the prizes of 8*l.* 8*s.* and 5*l.* 5*s.* respectively.

Designs purchased by manufacturers.

Messrs. Corbière have offered, during the year, prizes of 5*l.* and 10*l.* for designs for silk fabrics, and for paper hangings for manufacture in France; besides the works obtaining these prizes others were purchased to the amount of 18*l.* 5*s.*; and most of these works have been produced in France for the French market. (See Appendix (a) to Mr. Cole's Report at page 319.) The Bessbrook Linen Spinning Company also offered a prize of 5*l.*, and besides this purchased 22 of the designs made.

A second competition for fans has taken place and prizes to the same amount, 7*l.*, have been won by the students of this school.

Twenty-two students have been admitted from these schools to those of the Royal Academy during the year; of these 16 have been males and 6 females. One student (W. R. Bromley) from the school here has this year obtained the Royal Academy silver medal for the "Figure from the Antique."

The female students engaged in decorative painting or porcelain for the new buildings have continued to make satisfactory progress, although I regret that from the severe illness of the teacher of the class the work was for a time suspended.

The work first undertaken for the Wedgwood Memorial at Burslem has been executed, and another small portion undertaken, which will be finished during the present year, forming a very complete work in terra-cotta.

The steady growth of the school on which I took occasion to make so full a report last year has continued even in a greater ratio, and the school has at the present time reached very nearly, if not quite, the fullest numerical development possible to its present accommodation.

Progress of the school.

A comparison of the year included in this report, and the preceding year gives the following results :—

Tabular statement of results in 1869.

	Students.	Fees.			Increase.		
Session ending—		£	s.	d.	£	s.	d.
February 28th, 1868 - -	546	1,103	6	0	251	12	0
February 28th, 1869 - -	659	1,354	18	0			
Session ending—							
July 31st, 1868 - - -	587	1,058	14	0	171	4	0
July 31st, 1869 - - -	654	1,229	18	0			

Showing a total increase of fees for the year of 422*l.* 16*s.*

Number of individual students, year ending—
31st July 1688 - - - 771 } Increase,
„ 1869 - - - 895 } 124.

Total number of attendances during the year ending—
31st July 1868 - - - 58,940 } Increase,
„ 1869 - - - 69,248 } 10,308.

Average daily attendance during the year ending—
31st July 1868 - - - 286 } Increase,
„ 1869 - - - 339 } 53.

I have great pleasure in submitting a report which exhibits so steady a progress, and,

I have the honour to be, &c.
R. BURCHETT.

The Secretary,
Science and Art Department,
South Kensington.

14. REPORT by MR. LANE on the ETCHING CLASS.

ETCHING CLASS.

SIR, 1st January 1870.

Report on Etching Class.

IN presenting my Report of the progress of the Etching Class during the past year, I have thought that it may be satisfactory to the Department to look back at the results that have been arrived at in five years, and the amount of work that has been "passed" by the Inspector General for Art, from the establishment of the class in December 1864 to the present date; together with the sums that have been allotted to the students for successful etchings, in premiums not exceeding 3*l.* in any case, which sums are in excess of their weekly pay.

	Etchings.	Premiums. £	s.	d.	Average. £	s.	d.
In 1865 -	41	50	2	0	1	4	5¼
1866 -	44	71	16	0	1	12	7½
1867 -	71	97	12	0	1	7	6
1868 -	124	188	15	0	1	10	1½
1869 -	76	114	1	0	1	10	0
	356	522	6	0	1	9	4½

Appendix C — Etching Class.

When it is remarked that the average payment for each of 356 etchings has been something less than 1*l.* 10*s.*, it is fairly inferred that the allotment of the maximum premium of 3*l.* has been rare; but, in pursuance of the systematic training of teachers, the removal of the most accomplished etchers is a necessary condition, as also the introduction and progressive instruction of students who had not been initiated in the technical process; and it is gratifying to me to report that the rate of premium has, in most cases, steadily increased through the development of special talent, until, on the acquisition of the full amount, the acknowledged proficiency of the student has completed his qualification for the duties of mastership, or for other and higher work in the Department, and he is no longer a member of the class.

For the rest, the work, on two days of the week, has steadily proceeded. Every student has been thoroughly qualified to *print* his own works, and on the promotion of the more practised and experienced etchers, their places have been supplied from the schools by the Head Master and the Inspector General, and the character of the class has been fairly maintained, as shown in the fifth series of fifty plates, now published by the Arundel Society, consisting of ancient jewelry, chiefly Roman, Etruscan, and Russian.

The Etching Club, established by a section of the students (as by a Minute of December 1865) has produced some results of private practice (done during the holidays), which are deposited in the Art Library, the advantages of which, as also of the attendance at lectures, are freely used.

I remain, &c.

The Secretary, Science and Art Department. — Richard J. Lane.

Schools of Art, National Competition.

15. National Competition of Schools of Art.

Regulations.

The local committee transmit to the offices of this Department for inspection, on or before the 9th of April, the works of students in the various classes on account of whose instruction payment is claimed, or who compete for prizes.

The best works sent up are selected to enter into a national competition between the works of all the Schools of Art in the kingdom, and medals and prizes are awarded to the students who execute the most meritorious of the competing works, by examiners appointed by the Department.

The prize list includes 10 gold medals, distributed as follows:—

- One medal for the best study from the antique, in chalk or monochrome.
- One medal for the best study of the figure modelled from the antique.
- One medal for the best example of painting a group of still life from nature in oil colour, or water colour.
- Six medals for the best designs in the three classes, architectural design, surface design, plastic design.
- One medal for a work of a class not included under the above-named heads.
- Twenty silver medals, of which part will be given to the second best works in the various subjects to which gold medals are assigned, and the rest to meritorious works in the same or the best works in other subjects of study.
- Fifty bronze medals to meritorious works in any of the various subjects of study.

Any of these medals may be withheld if, in the opinion of the examiners, the works in any subject are not of sufficient merit to deserve them.

Students who obtain more than one distinction in any national competition are allowed the medal attached to the highest distinction they may have obtained, with a certificate of their further success.

Students who obtain medals of the same class in more than one year's competition may receive books, &c. instead of medals.

No student can receive a medal of the same class twice for the same subject.

Additional prizes of works of art, books, &c. will also be awarded.

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16. REPORT of the EXAMINERS on the NATIONAL COMPETITION, June 1869.

REPORT OF EXAMINERS ON COMPETITION FOR NATIONAL MEDALLIONS.

At the request of the Right Honourable the Lords of the Committee of Council on Education, we have examined the various works which have been submitted to us in the National competition for medals and prizes offered to Schools of Art throughout the United Kingdom.

The competition consisted this year of 1,014 works, of which 232 were studies from the antique, 359 designs for architecture or manufactures, and the remaining 423 studies in light and shade, colour, or from the life.

A list of the successful competitors is appended to this report.

The principal rewards, namely, the gold medals, being distributed among the various classes of design and the advanced studies of the figure and of colour, the competing works were naturally submitted to us in sections governed by this distribution.

The gold medal in the modelling section has been awarded to a work in the round from Glasgow, a reduced copy of the Discobolus of Myron, in which the action of the figure had been successfully caught, and rendered with considerable delicacy of execution.

We have also given other rewards to some of the numerous competing works in this section.

We would, however, point out as a defect the scraping or rubbing with sandpaper which some of the casts had undergone. This is, no doubt, done with the view of exhibiting uniform smoothness of surface; but it should be borne in mind that this is by no means evidence of true artistic finish, based on knowledge. Obliterating the smaller parts, it generalizes at the expense of character, and too often the result is tameness. Models should be so completed in the clay that the cast may be presented for examination in the state in which it comes from the mould, except only with regard to the usual removal of the seams, or mould marks.

Our selection for the award of medals from among the modelled figure studies was in a great degree determined by the satisfactory treatment of the extremities, which gave evidence of previous anatomical study.

Our attention was directed to a number of modelled designs for iron work sent up from towns where this manufacture is extensively carried on. We regretted to observe an imitation of common trade patterns rather than any evidence of the study of good examples. This observation extends to some drawings of similar subjects from Birmingham.

Two cups from Sheffield were of superior character, and showed that the student had been successfully trained to meet the difficulty of applying art to the decoration of such objects.

Appendix C.

REPORT OF EXAMINERS ON COMPETITION FOR NATIONAL MEDALLIONS.

We have again to express regret that the study of elementary design, by the filling of geometrical forms with ornamental details derived from the analysis of flowers and foliage, has been attempted in but few schools. It may be observed that the local school, Nottingham, in which this is best done is also most successful in applied designs.

In an extensive competition of good designs for lace and table damasks we found an opportunity for numerous awards, which were called for by the successful manner of treating the floral forms judiciously selected as the materials for most of the designs for these delicate fabrics. The like qualities in a few of the designs for the decoration of china, glass, and earthenware tiles, also obtained recognition, and showed the advantage to be derived from the previous study of flowers and foliage, both as to their modes of growth and as to their detailed forms. The success here obtained may probably be carried still further if the attention of the designer be given to the various styles to be observed in mediæval and oriental examples, nor should European works of the last two centuries be neglected. It is not surprising if the designs for carpets and wall decorations are less successful, since the task is rendered more difficult by the necessity of dealing with fuller tones of colour. The student may again be referred to nature,—the great source of variety,—with the suggestion that he should seek for more delicate harmonies, and less obviously balanced contrasts than have been chosen in many of these works. He will be assisted by reference to fine oriental stuffs, and may derive some hints from the great pictures of the Venetian or Lombard schools, since although the aim may not in both cases be the same, the sentiment of colour should be common to the work of the painter and the decorative designer.

The works in competition for the gold medal for the study of the antique were unusually numerous, and showed the general attainment of a higher level than in former years. Our labours in this section were much facilitated by the adoption of the uniform size for competing works recommended last year.

We observed with satisfaction some good studies painted in monochrome, and we think this practice worthy of encouragement, since it gives an opportunity for producing studies equal in precision to those in chalk, with even more fulness of gradation, while it affords the student the advantage of using the brush at an earlier period in his career, a point of importance to the decorative painter, whose success depends greatly on the facility of execution to be obtained only by practice.

The groups of still life, and the flower paintings, always successful features of the work of the schools, maintain the standard of former years, although a too cutting relief of light upon dark, producing hard edges never seen in nature, was apparent in some of the flower drawings. We have still, however, to urge the endeavour after greater delicacy of gradation, the more subtle combinations of colour, and the quality of breadth, with which the complete finish of the parts should never be allowed to interfere.

FRANCIS GRANT, P.R.A.
J. C. HORSLEY, R.A.
R. WESTMACOTT, R.A.
F. R. PICKERSGILL, R.A.
M. D. WYATT.
E. J. POYNTER, A.R.A.
R. REDGRAVE, R.A.
H. A. BOWLER, Official Inspector.

17. LIST of STUDENTS rewarded at the NATIONAL COMPETITION, 1869.

GOLD MEDALS.

Name.	School.	Stage.	Subject.
Archer, Henry	Sheffield	23 d.	Model in bronze. Design for a tankard.
Bishop, Robert H.	Nottingham	23 c.	Design for lace.
Ferguson, Daniel	Glasgow	19 b.	Model from the antique.
Healey, Edward	Bradford	23 b.	Architectural designs.
Johnson, Cyrus	Lambeth	8 e.	Life study.
Jordan, Frances*	Dublin	23 c.	Designs for muslins.
Mansell, Mary A.†	South Kensington	23 d.	Designs for porcelain.
Oliver, W. W.	South Kensington	8 b. 2	Drawing from the antique.
Palmer, H. S.	South Kensington	15 a.	Water-colour group.
Perks, Benjamin	Kidderminster	23 c.	Designs for room decoration.

SILVER MEDALS.

Name.	School.	Stage.	Subject.
Black, Charles E.	South Kensington	8 b. 1.	Drawing of head from the antique.
Blair, John	Edinburgh	23 c.	Designs for engraved glass service.
Benson, Charlotte	Dublin	15 a.	Group in oil.
Brooker, George	Lambeth	19 b.	Model from the antique.
Edenborough, Edith	South Kensington	16 a.	Monochrome in oil from the antique.
Greenaway, Kate	South Kensington	17 b.	Head from life in water-colour.
Harris, Joseph.	South Kensington	23 c.	Design for lace.
Harrison, Joseph	Nottingham	23 c.	Designs for muslin, chintz and for ribbons.
Hartley, Elizabeth Ann.	Boston	15 a.	Group of fruit in water-colour.
Jones, Helen P.	Gloucester	15 a.	Group in oil.
Low, Charles	St. Thomas' Charter-house.	16 a.	Head from the antique in monochrome.
Luker, George Lewis	St. Martins	23 b.	Architectural design.
Millard, William	Dublin	19 d.	Model from life.
Parker, Edward Joshua.	Carlisle	8 b. 2.	Drawing from the antique.
Silburn, Alfred	St. Thomas' Charter-house.	8 d.	Chalk head from life.
Slocombe, Edward C.	South Kensington	23 c.	Designs for printed hangings and jewellery.
Sulley, Henry	Nottingham	23 c.	Design for lace.
Trego, John J.	Coventry	23 b.	Design for metal screen.
Webb, Mary Whiteman.	Bloomsbury	14 a.	Grapes in water colour.
Wilson, Thomas W.	South Kensington	23 c.	Designs for tiles.

* The "Princess of Wales" Scholarship of 11*l.* has been awarded to this student.
† The "Princess of Wales" Scholarship of 25*l.* has been awarded to this student.

Appendix C.

STUDENTS REWARDED AT NATIONAL COMPETITION OF SCHOOLS OF ART.

BRONZE MEDALS.

Name.	School.	Stage.	Subject.
Austin, Matilda	Oxford	23 c.	Design for fan.
Bancroft, Elias M.	Manchester	16 a.	Monochrome from the antique.
Bourne, A.	Hanley	18 b.	Model of ornament from cast.
Brett, Frances	Dublin	23 c.	Design for wall decoration.
Brooke, J.	South Kensington	23 d.	Design for bracket (model).
Brophy, Andrew F.	South Kensington	23 c.	Designs for room decoration.
Cameron, Isabella M.	Edinburgh	14 a.	Flowers from nature in water colour.
Cherry, Richard	Nottingham	23 c.	Design for lace.
Clausen, W.	South Kensington	23 c.	Design for ceiling decoration.
Clayton, Albert Victor	St. Martin's	23 c.	Design for wall decoration.
Cund, Alfred	Birmingham	18 b.	Model of ornament from cast.
Davies, James H.	Manchester	9 a.	Anatomical studies.
Edenborough, Edith	South Kensington	8 e.	Time sketch from life.
Edwards, William	Lincoln	23 a.	Architectural drawings from measurement.
Evans, George	Worcester	19 b.	Model of figure from cast.
Field, Jessie	Oxford	23 c.	Design for fan.
Foster, Herbert Wilson.	Nottingham	8 b. 2. / 15 a.	Figure from the antique and group in oil.
Frost, John	Coventry	23 c.	Designs for watch cases.
Gibbons, Owen	South Kensington	23 d.	Design for bracket (model).
Gibson, Edward	Dublin	19 d.	Head from life (low relief).
Godsell, Mary E.	Stroud	15 a.	Water colour group.
Harris, Joseph	South Kensington	23 c.	Design for carpet.
Heywood, Thomas	Manchester	14 b.	Water colour interior.
Hinley, Charles	Coalbrookdale	23 c.	Design for tiles.
Hoyles, Henry	Sheffield	19 d.	Model from life.
Jackson, Emily M.	South Kensington	14 a. / 22 a.	Grapes in water colour, and botanical dissections.
Johnson, Cyrus	Lambeth	8 b. 2	Figure from the antique.
Kemp, Alexander	Edinburgh	8 b. 2.	Figure from the antique.
Kingman, George	Kidderminster	23 c.	Designs for muslins.
McKinley, Duncan	Glasgow	23 c.	Design for scarf.
Mellor, Anne P.	Manchester	14 a.	Flowers from nature in water colour.
Montalba, Ellen	South Kensington	17 b.	Oil study from life.
Muir, Jessie A.	Edinburgh	8 b. 1	Figure from the antique.
Nottidge, Caroline	South Kensington	19 d.	Model of head from life.
O'Keefe, P.	Cork	18 b.	Model of ornament from cast.
Outram, J. W.	Sheffield	19 b.	Model of head from the antique.
Ramage, Jessie	Edinburgh	17 b. / 16 a.	Monochrome in oil from the antique and head from life.
Rhodes, W. P.	Newcastle-under-Lyme	23 d.	Design for porcelain.
Schenck, Agnes	Lambeth	23 c.	Design for lace.
Scott, Walter	Coventry	23 c.	Design for ribbons.
Slater, John	Stoke-on-Trent	23 d.	Design for plates.
Smith, John	Coventry	23 c.	Designs for ribbons.
Smith, W. Philip	Nottingham	23 c.	Design for lace.
Sothern, Frances L.	South Kensington	8 b. 1	Drawing of head from cast.
Stanton, Rose E.	Stroud	15 a.	Water colour group.
Thatcher, John	Kidderminster	23 c.	Design for carpet.
Tinworth, George	Lambeth	23 d.	Medallions in terra cotta.
Thomson, Edward W.	Edinburgh	19 a.	Model of head from cast (mask).
Vargas, Susanna	South Kensington	8 b. 1	Chalk head from the antique.
Wallis, Eli	Nottingham	23 c.	Design for lace.
Wilkinson, Ellen	South Kensington	17 b.	Water colour head from life.

Book Prizes.

Name.	School.	Stage.	Subject.
Adams, Ellen	South Kensington	8 b. 1	Chalk head from the antique.
Aitkin, Maggie T.	Kilmarnock	12 a.	Monochrome in water colours from cast.
Anderson, James	Paisley	22 c.	Ornamental arrangement to fill given spaces in colour
Armstrong, Emily	South Kensington	15 a.	Water colour group.
Atkins, Catherine	South Kensington	17 b.	Head from life in water colour.
Bagguley, H.	Newcastle-under-Lyme	4 b.	Ornament shaded from the flat.
Baird, Isabella B.	Edinburgh	14 a.	Flowers from nature in water colour.
Ball, Susan	Dublin	23 c.	Design for wall decoration.
Bally, Frances	Liverpool (South District).	22 b.	Ornamental arrangement to fill given spaces in monochrome.
Banks, William	Edinburgh	5 b.	Chalk shading from cast.
Bentley, A.	Stoke-on-Trent	19 a.	Model of a foot from cast.
Best, Charles John	St. Thomas Charterhouse.	12 a.	Monochrome in water colour of ornament from cast.
Biram, Miss	Sheffield	14 a.	Flowers from nature in water colour.
Bodkin, Frederick E.	South Kensington	14 a.	Flowers from nature in water colour.
Bonehill, Walter J.	Warrington	23 b.	Designs for furniture.
Burrows, H.	Bristol	8 b. 1	Torso shaded in chalk from antique.
Cameron, Isabella M.	Edinburgh	22 a.	Botanical dissections.
Charbonnier, T.	Bristol	22 c.	Ornamental arrangement to fill given spaces in colour.
Cole, William	St. Thomas Charterhouse.	8 d.	Chalk head from life.
Cook, C. M.	St. Thomas Charterhouse.	12 a.	Monochrome in water colour from cast.
Corrick, Frederick	Norwich	19 a.	Model from cast (mask).
Dalton, F. W.	Lincoln	23 a.	Architectural drawing from measurement.
Dickinson, Alfred	Nottingham	23 c.	Design for wall paper.
Dobson, Robert	Birkenhead	14 b.	Water colour landscape from nature.
Drake, G.	Halifax	23 c.	Design for wall paper.
Easterbrook, James	Torquay	4 b.	Chalk shading from flat.
Edelston, Alice J.	Warrington	15 a.	Water colour group.
Edwards, James	Nottingham	14 b.	Water colour landscape from nature.
Ellis, Alice Blanche	Bloomsbury	14 a.	Flowers from nature in water colour.
Floyd, Alice	Oxford	5 b.	Shading from the cast.
Foster, H.	Lincoln	14 b.	Water colour interior.
Freeman, Jessie L.	South Kensington	22 a.	Botanical dissections.
Friday, James	Coventry	23 c.	Designs for watch cases.
Gibbons, Amelia F. H.	South Kensington	13 a.	Flowers from the flat in water colour.
Goldie, Patrick	Edinburgh	12 a.†	Monochrome in water colour of ornament from the cast.
Golding, Thomas A.	South Kensington	23 c.	Design for damask curtain.
Gregory, Edward J.	South Kensington	8 c.	Chalk life study.
Grose, Annie	South Kensington	8 d.	Chalk head from life.
Grubb, William M.	Dundee	16 a.	Monochrome in water colour from cast.
Heath, W.	Hanley	23 h.	Painting on porcelain.
Hill, George P.	Birmingham	16 a.	Monochrome in water colour from cast.
Hill, James	Stourbridge	23 c.	Design for engraved glass vase.
Hinley, Charles	Coalbrookdale	23 c.	Design for wall paper.
Hodson, Joseph	Manchester	5 b.	Chalk shading from cast.
Honey, Alfred D.	Glasgow	23 c.	Design for carpet.

† Two awards.

Appendix C.

STUDENTS REWARDED AT NATIONAL COMPETITION OF SCHOOLS OF ART.

Book Prizes—*continued.*

Name.	School.	Stage.	Subject.
Hood, Henry	Nottingham	22 c.	Ornamental arrangement to fill given spaces in colour.
Hughes, Charles	Coalbrookdale	23 c.	Design for tiles.
Johnstone, W. H.	Manchester	8 d.	Chalk head from life.
Jones, B.	Cardiff	23 b.	Architectural design.
Jones, Helen P.	Gloucester	23 c.	Design for wall paper.
Jones, William	Manchester	23 c.	Design for damask.
Keller, Bertha	Boston	15 a.	Water colour group.
Kemp, Annie	South Kensington	8 d.	Study of drapery.
Le Petit, Henry	St. Thomas Charterhouse.	8 c.	Life study in chalk.
Lethbridge, George	West London	23 b.	Architectural designs.
Marples, M. A.	Liverpool (South District).	13 a.	Fruit in water colour from the flat.
Mason, Mary	South Kensington	17 b.	Head from life in water colour.
May, Kate	Taunton	17 b.	Water colour study from life.
McGlashen, Stewart.	Edinburgh	9 a.	Anatomical study.
Messenger, Aimée	Bloomsbury	22 a.	Botanical dissections.
Metcalfe, Martha	Bradford	23 c.	Designs for lace.
Metcalfe, Mary.	Bradford	23 c.	Designs for lace.
Middleton, Charles	Warrington	15 a.	Oil group.
Milne, Thomas.	Edinburgh	12 a.	Monochrome in water colour of ornament from the cast.
Mortimer, William	Lincoln	23 d.	Design for sideboard.
Nicholson, Eliza	South Kensington	12 a.	Monochrome in oil from cast.
Noble, H.	West London	23 c.	Design for a diaper.
Oscroft, Samuel W.	Nottingham	8 d.	Chalk head from life.
Perry, William.	Dublin	17 b.	Study of head from life in oil.
Platt, Walter	Yarmouth	23 c.	Design for wall paper.
Pocock, Julia	Bloomsbury	17 b.	Head from life, and figure from life in water colour.
Ramage, Jessie	Edinburgh	15 a.	Group in oil.
Rawson, J. M.	Keighley	23 a.	Locomotive drawn from measurement.
Reeves, Thomas	Birmingham	9 a.	Anatomical studies.
Reilly, Sylvester	Dublin	23 a.	Steam engine drawn from measurement.
Rennison, John	Paisley	23 a.	Architectural drawing from measurement.
Rooke, Thomas M.	South Kensington	17 b.	Head from life in water colour.
Rowley, James	West London	23 d.	Design for bracket (model).
Sheldow, John	Macclesfield	23 c.	Designs for silk scarves, &c.
Simmonds, E. H.	West London	19 a.	Model of head from cast (mask).
Slater, W. J.	Manchester	16 a.	Monochrome in water colour from cast.
Slous, E.	Bloomsbury	19 d.	Model of hand from life.
Smith, Julia C.	South Kensington	8 b. 1	Chalk studies of hands.
Stableford, William	Birmingham	23 a.	Wood planing machine drawn from measurement.
Stanway, Thomas	Hanley	9 a.	Anatomical studies.
Stocks, Robert.	Lambeth	19 b.	Model from the cast.
Thomas, Alfred C.	Coventry	23 c.	Designs for watch cases.
Thompson, Elizabeth	South Kensington	17 b.	Head from nature in oil.
Thomson Alexander	Edinburgh.	22 d.	Studies in water colour of historic styles of ornament.
Thomson, Emily G.	Manchester	14 a.	Flowers from nature in water colour.
Turner, John	Edinburgh	8 b. 2	Drawing of figure from the antique.

Book Prizes—*continued.*

Name.	School.	Stage.	Subject.
Twilton, W. S. .	Leeds . . .	5 b.	Chalk shading from cast.
Valentine, Elizabeth B.	South Kensington ..	8 b. 1	Chalk head from the antique.
Vivian, T. C. . .	South Kensington .	8 b. 1	Chalk head from the antique.
Vyvyan, Caroline .	South Kensington .	8 c.	Time sketches. Chalk heads from life.
Wallace, Elizabeth .	Dublin . . .	23 c.	Design for fan.
Webb, Maria Whiteman.	Bloomsbury . .	14 a.	Flowers from nature in water colour.
Webb, Maria D. .	Dublin . . .	15 a.	Group in oil.
Webster, George .	Edinburgh . .	19 a.	Model from the antique.
Williamson, Wm. M.	South Kensington .	8 c.	Chalk life study.
Wilson, Thomas W..	South Kensington .	23 d.	Designs for vase.
Wise, W. M. . .	South Kensington .	8 c.	Chalk life study.

Examined. E. P. BARTLETT,
Official Examiner.

TABLE M.

18. ALPHABETICAL LIST of PERSONS who obtained ART CERTIFICATES (3rd Grade) at the EXAMINATION held at SOUTH KENSINGTON in February 1869.

LIST OF PERSONS WHO OBTAINED CERTIFICATES.

Name.	Address [or from what School].
GROUP I.—*Elementary Drawing and Colouring.*	
Barry, Sarah	Training Class.
Basten, Isaac B.	Reading School of Art.
Baxter, Anne	Oxford School of Art.
Clarke, Martha E.	Bloomsbury Fem. Sch. of Art.
Ellis, Alice Blanche	Bloomsbury Fem. Sch. of Art.
Faure, Eugenie	Training Class.
Gibbon, Amelia F. H.	Training Class.
Hall, Julia G.	Training Class.
Hancock, Ellen I.	Bloomsbury Fem. Sch. of Art.
Harbutt, William	Training Class.
Illston, George A.	Sheffield School of Art.
Jones, William	Training Class.
Lowne, Joseph J.	Training Class.
Macarthur, Blanche F.	Bloomsbury Fem. Sch. of Art.
Mason, H. W.	Lambeth School of Art.
Palliser J. W.	Leeds School of Art.
Pratt, Robert	Dundee School of Art.
Smith, Ellen O. W.	Bloomsbury Fem. Sch. of Art.
Sykes, Peace	Leeds School of Art.
Vargas, Susannah	Training Class.
GROUP II.—*Painting.*	
Bradbury, Alfred A.	Training Class.
Larking, Mary H.	
Sullivan, Michael	
GROUP VI.—*Architecture.*	
McCarty, W. W.	Training Class.
Tucker, William	

E. P. BARTLETT,
Official Examiner.

Appendix C.

PRIZES TO MASTERS OF SCHOOLS OF ART.

19. PRIZES to MASTERS of SCHOOLS of ART in the UNITED KINGDOM.

The Minute of 3rd January 1868 offered prizes to the head-masters of Schools of Art in which the general amount of work as tested by examinations, considered with reference to the number of students under instruction, was most satisfactory.

In accordance with the principles laid down by the Minute of the 19th February 1868, and having regard to the number of students taught in each School, the following prizes have been awarded by the Lords of the Committee of Council on Education:

	£
W. H. Sounes, Sheffield	50
C. D. Hodder, Edinburgh (Male)	40
Louisa Gann, Bloomsbury	40
J. S. Rawle, Nottingham	40
Henry Woolner, Coalbrookdale	30
Edward R. Taylor, Lincoln	30
D. W. Raimbach, Birmingham	30
Walter Smith, Bradford	30
George Stewart, West London	30
John Parker, St. Thomas, Charterhouse	20
John Anderson, Coventry	20
Edwin Lyne, Dublin	20
Walter Smith, Leeds	20
Joseph Kennedy, Kidderminster	20
Robert Greenlees, Glasgow	20
W. J. Muckley, Manchester	20
John Sparkes, Lambeth	20
Susan A. Ashworth, Edinburgh (Female)	20
W. H. Stopford, Halifax	20
W. C. Way, Newcastle-on-Tyne	10
Walter Smith, Wakefield	10
John N. Smith, Bristol	10
Herbert Lees, Carlisle	10
Robert Cochrane, Norwich	10
W. L. Casey, St. Martin's	10
John Bentley, Birkenhead	10
James Carter, Hanley	10
J. P. Bacon, Stoke	10
William Stewart, Paisley	10
J. P. Bacon, Newcastle-under-Lyne	10
John Menzies, Aberdeen	10
R. C. Puckett, Chippenham	10
W. J. Baker, Southampton	10
John Kemp, Gloucester	10
Daniel Wood, Cambridge	10
W. T. Griffiths, Ipswich	10
S. F. Mills, Spitalfields	10
J. C. Thompson, Warrington	10
J. S. Goepel, Frome	10

Examined. E. P. BARTLETT,
Official Examiner.

20. List of Students who gained Prizes in the Competition in Designing for Fans, 1869.

The following Prizes were offered for Fans painted by Female Students in any School of Art connected with the Science and Art Department, viz.:—

1 prize of	£5.
2 prizes of 3*l.* each	6.
3 prizes of 2*l.* each	6.
5 prizes of 1*l.* each	5.

Name of Student.	School.	Prize.
		£
E. Montalba	South Kensington	5
F. Jane Broadley	Bridport	3
Alice J. Edelston	Warrington	3
E. E. Rodger	Glasgow	2
Anne Slinger	Lancaster	2
M. Brooks	South Kensington	2
Emily Evans	Bridport	1
M. M. Slinger	Lancaster	1
Sarah Anderson	Preston	1
Louisa Fennell	Wakefield	1
M. Hird	Croydon	1

Examined. E. P. Bartlett,
Official Examiner.

21. Prizes of the Plasterers' Company.

No. 589.

The Worshipful Company of Plasterers, London, offers the undermentioned prizes:—

I. Design.

To be competed for by students in Provincial Schools of Art.

For an original design for an over-door, capable of being produced in plaster. The design is to be shaded in relief, either in chalk or monochrome.

	£	*s.*	*d.*
First Prize	7	7	0
Second, do.	4	4	0

None of the works submitted in competition for these prizes being deemed of sufficient merit, the prizes were not awarded.

II. Model in Plaster.

To be competed for by students in Metropolitan and Provincial Schools.

Appendix C.

PRIZES OF THE PLASTERERS' COMPANY.

For an ornamental truss or bracket suitable for supporting a beam or a bust, to be executed the full size, viz., 18 inches high, 9 inches deep, and 9 inches wide in the face.

First Prize, 8*l.* 8*s.*, awarded to John Brooke, of the South Kensington School of Art.*

Second Prize, 5*l.* 5*s.*, awarded to Owen Gibbons, of the South Kensington School of Art.*

Both prizes are open to Artizan and other students.

All works sent in competition must be specially prepared, and labelled as being in competition for the prizes of the Plasterers' Company of London. No student is to send in more than one design for each subject.

Designs in competition must be sent up to the Science and Art Department in April in each year with the works required by the minute of June 1865, and noted on the lists.

The prizes will be decided by the Science and Art Department.

Examined. E. P. BARTLETT,
Official Examiner.

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* These students were trained in the Sheffield and Cirencester Schools of Art respectively.

APPENDIX D.

SOUTH KENSINGTON MUSEUM.

1. REPORT OF THE DIRECTOR.

South Kensington Museum,
31st March 1870.

MY LORD,

I HAVE the honour to present a summary of the principal proceedings in connexion with the South Kensington Museum during the year 1869. They will be found more amply detailed in the reports of the several officers.

New buildings.

1. *The New Buildings.*—The usual vote of 32,500*l.* having been reduced to 24,000*l.*, the progress of the works has been arrested proportionately. Little work has been done to the School of Naval Architecture and Science. The completion of the present South Court has been so far advanced, that the whole court may be brought into use during this year. The erection of the large court adjoining has progressed. The space it will provide is much needed for the exhibition of the Santiago Porta della Gloria and similar large reproductions (*see* Report of Director of New Buildings, p. 455).

Model of buildings to be completed.

II. *Model of Buildings to be completed.*—The Treasury having required a model to be made of the buildings as proposed to be completed, a sketch model has been sent to the Treasury, and exhibited in the Library of the House of Commons.

Decorations of new buildings;

III. *Decorations of New Buildings.*—During the past year the following Mosaic figures have been executed:—Mr. Watts' Titian, Mr. Eyre Crowe's Wren, Mr. Sykes's Michael Angelo, Mr. Tenniel's Leonardo da Vinci; and the heads of Lord Taunton, Earl Granville, the Duke of Marlborough, Lord Stanley of Alderley, Mr. Henley, Mr. Cardwell, Presidents of the Department, have been worked in Mosaic, by female art students, under contracts taken by Messrs. Minton, Hollins, and Co. Messrs. Simpson have executed Mr. Burchett's Torrel. Messrs. Salviati have executed Mr. Phillipps' figure of Sir Joshua Reynolds, and Mr. Yeames's Holbein.

Mr. Pickersgill has prepared a design of Mantegna and Mr. Fisk one of Ghiberti.

of National Competition Gallery;

In the National Competition Gallery ornamental lunettes have been painted by Mr. Beattie and Mr. Morrison.

of Keramic Gallery.

Mr. W. B. Scott has drawn, on white glass, subjects illustrating Chinese and Etruscan pottery for the North windows of the Keramic Gallery, and is proceeding with the remaining windows. They are novel in character, obscuring the light as little as possible. The Department has not yet received the large designs by Mr. Leighton, R.A., and Mr. Watts, R.A., for the lunettes mentioned in my last Report (16th Rep. p. 281). The progress of the decorations in the Refreshment Rooms and Lecture Theatre is detailed in Lieut.-Col. Scott's Report (p. 455). Capt. DuCane, R.E., Surveyor-General of Convict Prisons, has contracted to produce a Mosaic floor, to be made out of refuse marble by the labour of convicts; the first experiment having been promising.

Transfer of execution of new buildings to Board of Works.

IV. *The Execution of New Buildings has been transferred to the Board of Works,* as part of the general policy of the Government in bringing all public works under one Department. In assenting to this transfer, the Lords of the Committee of Council on Education have expressed a hope that the employment of students of the Schools of Art in the

Appendix D. REPORT ON SOUTH KENSINGTON MUSEUM.

decorative works of the New Buildings may be fully maintained. I venture to submit the opinion that it is of great public urgency that the New Buildings should proceed at a much greater rate than heretofore. In 1865 Mr. Bruce and Mr. Cowper recommended that certain works should be executed in four years. But at the present rate the same works are made to occupy seven years. Since 1865 the Rev. Chauncy Hare Townshend has bequeathed a large Collection of Works of Art, the Rev. Alexander Dyce has bequeathed his most valuable Dramatic Library, and numerous other bequests have been made, which are detailed hereafter (*see* p. 342). It is impossible to enable the public to have the proper use of these generous gifts, or to give effect to the wishes of the donors, or to conduct the proper circulation of objects to the local schools in the present restricted space. I request your Lordship's attention to the first paragraph of Mr. Thompson's Report, where he points out that the rooms for the libraries are totally inadequate—readers being obliged to stand, —and that offers of examples are refused for want of space (*see* also Reports of Mr. Wallis, p. 365, Mr. R. S. Smith, p. 424). In connexion with buildings, it may be observed that the Report of Capt. Festing, R.E., Assistant Director in charge of Works, shows how necessary it is that the progress of the experiments in heating, lighting, ventilation, and works (*see* p. 361) should be left upon the responsibility of the Department. (*See also* p. 41, §§ XII–XIV.)

Want of space.

Reproductions of (1) Mosaics.

V. *Reproductions of ancient Mosaics* (*see* 16th Report, p. 281).—Messrs. Salviati have delivered Reproductions of the *Good Shepherd* (5th century) from Ravenna, and a figure of Christ from St. Mark's, Venice. A large panel from the Cathedral at Monreale is far advanced. And the original drawings made for the great work of the Abbate Gravina have been purchased. I may mention here that the valuable drawings of classical Mosaics made by or for the late Dr. Wollaston, which Mrs. Wollaston presented, have been framed and exhibited. Messrs. Salviati have been requested to tender for making pressed facsimiles in paper of the Mosaics, which it is proposed should be reproduced by them in Italy.

(2) Raphael's cartoons.

VI. *Reproduction of Raphael's Cartoons.*—The arrangements for an experiment in Mosaic, to be worked by the female students, have been made, and the work is about to be commenced. It is also proposed that students shall make an essay in copying one of the cartoons by painting on pottery.

Painting on pottery.

VII. *The Painting on Pottery*, for the decoration of the new buildings, by female students, progresses well.

Bethnal Green Museum.

VIII. *Bethnal Green Museum.*—This Museum as a branch of the South Kensington Museum will probably be opened in 1871 (16th Rep. p. 282).

Art collections.

IX. *The Art Collections of the Museum.*—The principal additions have been :—An entire room made by order of Marie Antoinette, by Clodion, Natoire, Gouthière, and the decorative artists of the period, which has been temporarily erected in the south-east corner of the Museum; and the Dramatic Library of the Rev. Alexander Dyce. I refer to the Reports of the Assistant Directors and Keepers for further details.

Scientific collections.

X. *Scientific Collections.*—Nothing requires to be specially reported, except the great crowding of the Collections, and the difficulties of administration occasioned thereby (*see* 16th Rep., p. 282).

Reproductions of Works of Art.

XI. *Reproductions of Works of Art.*—A considerable number of the Reproductions, which have been in progress since 1854, have been arranged collectively and make a striking display. Besides the gracious permission of the Queen, the late Countess de la Warr, the Earl of Chesterfield, the Earl of Warwick, and others have generously allowed reproductions to be made of fine specimens in their possession (*see* p. 369).

East Indian architecture.

XII. *East Indian Architecture.*—The parent cast of the Sanchi Tope has been made and is now on its way to England. It has been a

gigantic work, employing above a hundred persons in the jungle of Central India, for whom not only materials, but provisions of all kinds, had to be taken by bullock carts over trackless districts (*see* page 36 and 16th Rep., p. 282).

Meyrick armour.

XIII. *The Meyrick Collection of Armour* still remains exhibited by permission of Col. Meyrick without payment of rental.

National Portrait Gallery.

XIV. *The National Portrait Gallery* has been removed from Great George Street, and is well displayed in the Gallery formerly occupied by the National Portrait Exhibition.

XV. *Royal Academy of Music.*—Nothing has occurred in reference to this subject since my last Report.

Universal Catalogue of Art Books.

XVI. *Universal Catalogue of Art Books.*—I have great satisfaction in reporting that the first edition of this work has been completed at a cost within the original estimate, and much within the period at first assigned for the work.

Universal Art Inventory.

XVII. *Universal Art Inventory.*—I have edited a new edition relating to Mosaics and Stained Glass; other divisions are in preparation.

Schools at South Kensington.

XVIII. *The Working of the Art Training School and School of Naval Architecture* is shown by the Reports of the Head Inspectors (pp. 156 and 160). The fees for the Art School for the year ending 31st July 1868 amounted to no less a sum than 2,162*l.*, and for the year ending 31st July 1869 they were 2,584*l.* 16*s.*, being the highest amount ever taken (*see* Report of Mr. Burchett, p. 302). Upwards of 890 students attended the school. Designs produced by students in the school for silk damasks, paper-hangings, and other Art manufactures, have been purchased by French manufacturers, and have been executed and well received in France. A statement of the details is subjoined (*see* (*a*) *infra*, and 16th Rep., p. 270).

Circulation.

XIX. *The Circulation of Objects* from the Museum continues to be in active work. The number of objects at present available for this purpose is insufficient to meet the wishes of the country. The Trustees of the National Gallery have been asked to transfer to the Department, for circulation, any further superfluous pictures that may never be required for exhibition in their Gallery in Trafalgar Square.

XX. The growing interest which all parts of the world evince in the South Kensington Museum is related in Mr. Owen's Report (p. 346).

Attendance of visitors.

XXI. *The number of Visitors to the Museum*, in 1869, reached upwards of 1,043,600 persons, being the greatest annual number as yet recorded, excluding the International Exhibition Year, 1862. The average annual number has been 686,105. It may be expected that the Annual Exhibitions in the opposite ground, about to begin in 1871, will largely add to the numbers attending the Museum, increasing the necessity for providing additional space, and for making the subway under Exhibition Road referred to in my last Report. (*See* 16th Rep., p. 288.)

I have, &c.

(Signed) HENRY COLE.

The Earl de Grey and Ripon, K.G.,
Lord President of the Council.

(*a.*) PURCHASES by FRENCH MANUFACTURERS of DESIGNS made by STUDENTS in the NATIONAL ART TRAINING SCHOOLS.

Designs made in National Art Training Schools purchased by French manufacturers.

Messrs. Corbière and Son, of No. 30, Cannon Street, importers of French silks, damasks, tapestries, chintzes, and wall decorations, have lately drawn the attention of French manufacturers to the designs produced by students in the National Art Training Schools. In consequence several drawings have been purchased, and the designs have been executed in France in various materials.

The sale of the manufactured articles in the French and English markets having been successful, especially in cretonnes, silk damasks, and paper hangings, Messrs. Corbière were induced by French manufacturers to offer prizes on two occasions.

On the first occasion the offer of a prize of 5*l.* produced 27 drawings, of which four were purchased at the price of 10*l.* 5*s.* for execution; making a total outlay of 15*l.* 5*s.*

On the second occasion (during last summer) Messrs. Corbière offered a prize of 10*l.* The number of drawings presented in this competition was 72, of which four were purchased at a cost of 4*l.* 15*s.* for execution, making a total outlay of 14*l.* 15*s.*

Among the manufacturers in whose name Messrs. Corbière offered these prizes is M. Jules Defossé, one of the largest manufacturers of paper hangings and wall decorations in France, a member of the Municipal Council of Paris, and of the Imperial Commissions for the International Exhibitions of 1862 and 1867.

M. Defossé, a frequent visitor to the South Kensington Museum, speaks favourably of the paper hangings, which he has executed from the designs produced in these competitions, and is satisfied that they meet with the approval of French purchasers.

Besides the competition drawings, 25 designs for silk damasks, cretonnes, and paper hangings, were previously purchased by Messrs. Corbière from individual students for manufacture in France, viz., from Mr. F. Slocombe, for papers, 15, for silks and cretonnes, 4; from Miss Brooks, for papers, 2, for cretonne, 1; from Mr. Kingman, for papers, 3.

(*b.*) NOTES of OBJECTS in ITALY suitable for REPRODUCTION by various Methods.

South Kensington Museum,
30th December 1869.

MY LORD,

DURING our tour of inspection of mosaics in Italy in the year 1868, of which we have reported to your Lordship, we met with many fine works of Art which we noted as worthy of being reproduced for the South Kensington Museum, and the Schools of Art of the United Kingdom. It must not, however, be inferred that all the works worthy of being reproduced, in the places named, have been noted.

We have classified such works according to the methods to be adopted in reproducing them, and have given references to treatises in which notices of the greater part of them are to be found.

Wherever moulds have to be made of objects in marble, stone, or metals, it would be necessary to obtain the sanction of the Italian Government, and of the local authorities in charge of them. After the necessary official application has been made through the Foreign Office, it will be advisable, in our opinion, that an officer of the Department should be despatched to the various places to see the authorities, and conclude the necessary arrangements for making moulds.

We have the honour, &c.

(Signed) HENRY COLE.
HENRY Y. D. SCOTT,
Lieut.-Col., R.E.

To the Earl de Grey and Ripon, K.G.,
Lord President of the Council,
&c. &c. &c.

LIST of OBJECTS recommended for REPRODUCTION by casting in METAL and PLASTER.

BERGAMO:

Santa Maria Maggiore.

a. Equestrian cinque-cento Monument of Colleoni in the Colleoni Chapel.

b. Monument to the daughter of Colleoni.

"The principal ornament is the sepulchral monument of the founder (the celebrated Condottiere of the 15th century) by Amadeo. The fine tomb of Medea Colleoni, which formerly stood in the Church of Basella on the Serio, has been recently removed to her father's chapel."—MURRAY, N. Italy, p. 245.

"Questo scultore (Amadeo) fu quegli che in Bergamo fece il famoso deposito di Colleoni, e poco lungi dalla città, a Basella, il monumento elegantissimo di Medea figlia nubile del suddetto. . . . . Il monumento di Medea da noi citato esistente nelle vicinanze di Bergamo è forse la più distinta fra le sculture di questo autore, ove la figura di questa giovine è scolpita mirabilmente colla grazia più fina, e i più leggiadri ornamenti, ed ove i bassi rilievi che fregiano la fronte del deposito, e le statuette di tutto tondo che ne coronano la cima sono di una elegantissima esecuzione."—CICOGNARA, Storia della Scultura, IV., 388 and 90.

"One of the most charming works of its kind in Italy."—PERKINS, Italian Sculptors, p. 129.

For Colleoni's monument, *see* photographs in the Art Library, South Kensington Museum, and details in plates in Cicognara.

BOLOGNA:

I. *San Petronio.*

South central door.

"La porta grande fu data a fare a Jacopo della Quercia per scudi d'oro 600 che per sua morte non potè compire avendovi scolpite due pilastrate laterali, e le quindici Storie dalla creazione del mondo sino al diluvio in bassi rilievi sopra l' architrave. Le statue che rimangono nell' arco sopra la porta sono di Domenico Aimo, detto il Varignana o Ravignana. Il Tribolo fece le sibille annesse alle dette pilastrate."—CICOGNARA, Storia, &c. II., 246, and plates. *See* also MURRAY, N. I., p. 492.

II. *San Domenico.*

Tomb of San Domenic by Nicola Pisano, Giov. Pisano, Michael Angelo, and others.

"Ognuno sa che Nicola Pisano si rese più che mai famoso in Italia per le sculture di cui arricchì le parti esteriori dell' arca di S. Domenico, cominciata nel 1225 e finita nel 1231. . . . L'arca è uno dei più bei monumenti Italiani dopo il risorgimento delle arti, e vi si vede una precisa storia dei progressi di queste. Alfonso Lombardi vi scolpì in piccole figure con una maestria singolare alcune storiette sul basamento dell' urna, Girolamo Coltellini fece la bella statuina di S. Gio. Battista in alto, e Michelangelo, probabilmente in gioventù, sculse l'angelo a destra sulla mensa dell' altare e i panni della figura di S. Petronio. Tutto il resto, meno il cattivo parapetto dello altare, è opera di Niccolò Bolognese, o vogliam dirlo Niccolò dall' Arca, e non è poco il lavoro d'ornati, intagli e statue che gli meritarono l'ammirazione e la stima della posterità."—CICOGNARA, Storia, &c., II., 250 and 52, and plates. *See* also, D'AGINCOURT, History of Art, Plate XXXII., Sculp., and MURRAY, N. I., p. 483.

FIESOLE:

Cathedral.

a. Altarpiece by Mino da Fiesole, representing the Virgin, St. Remigius, etc., with the Saviour and St. John.

"Nel duomo di Fiesole poi quest' autore fece quell' altarino

così elegante, ove le diverse figure scolpitevi sono graziose e morbidissime di tal modo, che marmo non fu mai meglio trattato da toscano scarpello."—CICOGNARA, Storia, &c., IV., p. 269, and plate. MURRAY, Central Italy, p. 192.

b. Bust of Bishop Salutati.

"Nel deposito di Leonardo Salutato si vede la testa di lui scolpita dallo stesso Mino con tanta verità che non marmo, ma si direbbe essere materia molle."—CICOGNARA, Storia, &c., IV., p. 271, and plate.

"One of the most remarkable specimens of sculpture of the 15th century."—MURRAY, Central Italy, p. 192.

FLORENCE:

I. *Annunziata.*

Virgin and Child, by Mino da Fiesole.

II. *Duomo.*

Head of a doorway containing Mosaic, by Ghirlandajo, in lunette.

Reference in MURRAY, Central Italy, p. 93. *See* also photographs in Art Library, South Kensington Museum.

III. *Montalbo Palace.*

Statue by John of Bologna.

IV. *Strozzi Palace.*

Lamp Rings on walls.

"About the time of its erection flourished Nicolo Grasso, called Caparra, an excellent worker in metal; and the Gothic cressets [and rings], "lumiere maravigliose," as they are called by Vasari, which project from the angles, are curious and beautiful specimens of his work."—MURRAY, Central Italy, p. 143. *See* also photographs in Art Library, and representations in CLOCHAR, Palais, &c. d'Italie, pl. 101, and WARING and MACQUOID's Architecture, pl. 16.

V. *The Bargello.*

a. Bust of Cosimo I. in bronze.

"B. Cellini. The bust of Cosimo I., considered by the artist himself as one of his finest works."—MURRAY, Central Italy, p. 161, and *see* photograph in Art Library.

b. Many Coats of Arms on court walls.

MURRAY, Central Italy, p. 140, and *see* photographs in Art Library.

c. Bronze Bell, with the inscription "Xtus regnat; X^{tus} imperat; "Bartholomeus Pisanus me fecit."

See photograph in Art Library.

d. The David, by Donatello.

"The charming bronze statue of David . . . . which, without being an imitation, is a happy example of the way in which the antique may influence without enslaving an original mind. It is, perhaps, the first nude statue made in Italy since the days of the Empire."—PERKINS, Tuscan Sculptors, I., 150, and frontispiece. MURRAY, Central Italy, p. 161.

e. Large Fountain Basin, by Donatello, a gift from the Pazzi family.

See photograph in Art Library.

VI. *Santo Spirito.*

a. Bronze Vases before Altar, the arms serving as lamp stands.

b. Picture frame by Filippino Lippi.

VII. *Palazzo del Turco.*

Chimney-piece by Desiderio da Settignano.

VIII. *Santa Croce.*

Handsome Pulpit, by Benedetto da Majano, cinque-cento, of red and white marble.

"Bella tra le opere di genio si giudica quella, che per una perfetta imitazione, di gusto e di eleganza ornata, con simmetria ed accordo condotta offre allo sguardo un tutto insieme, che diletta e persuade . . . . Il Tempio di S. Croce in Firenze abbonda, come ognun sa, di opere belle in ciascuna delle tre Arti; ma quella però, che mirabile per ragioni speciali dir si conviene, è il famoso suo Pergamo . . . . un' opera, della quale niuna descrizione tanto può dire, che all' intelligente osservatore l'opera stessa meglio non parli."—PIERACCINI, Il Pergamo, &c., with plates.

See also CICOGNARA, Storia, &c., IV., 256; MURRAY, Central Italy, p. 107, and photographs in Art Library.

IX. *San Lorenzo.*

Nave, oblong Pulpit.

"There are two fine oblong pulpits in the nave, executed, after the designs of Donatello, by his pupil Bertoldo. The subjects of the bronze bas-reliefs on them represent the Passion and Resurrection of our Lord. The finest are the Descent from the Cross, and the Entombment."—MURRAY, Central Italy, p. 115, and PERKINS, Tuscan Sculptors, I., 157.

X. *Square of the Annunziato.*

Fountains by Tacca, in bronze.

MURRAY, Central Italy, p. 111. WARING and MACQUOID'S Architecture, pl. 35.

XI. *Accademia.*

Studies in Terra Cotta by Michael Angelo.

MILAN:

San Eustorgio.

Chapel of St. Peter Martyr.

The Terra-cottas around the drum of dome, now being freed from whitewash, said to be by Michelozzi.

NAPLES:

I. *Castel Nuovo.*

a. Bas-reliefs of Warriors on door jambs.

b. Triumphal Procession over the arch.

c. Bronze Doors.

"The bas-relief, in the execution of which contributed the sculptors Isaia da Pisa and Silvestro dell' Aquila, is very interesting as a specimen of the sculpture of the 15th century. It represents Alfonso entering Naples in a triumphal car, drawn by four horses, in the style seen on ancient medals, attended by his courtiers and by the clergy and authorities of the city, all of whom are dressed in the costume of the period." . . . . "The celebrated bronze gates, executed by the monk Guglielmo, of Naples, and representing in various compartments the victories of Ferdinand I. over the Duke of Anjou and the rebellious barons."—MURRAY, Southern Italy and Naples, p. 80, and *see* photographs in Art Library.

II. *Cathedral.*

a. Italo-Greek basalt Baptismal Font in Nave.

"An antique vase of green basalt, sculptured with Bacchanalian emblems, masks, &c., in high relief."—MURRAY, Southern Italy and Naples, p. 91.

"Ex cotylorum genere putat Stephanus Pighius esse illud vas, quod in aede maxima Neapoli visitur, in Sancti Baptismati fontem conversum, ex basalte lapide durissimo, ansas quod habuit geminas, et larvas Maenadum, hederaceis coronis redimitas, alternasque Corybantum, ac thyrsos breviores in pineas nuces fastigiatos, taeniisque revinctos."—ÆGYPTIUS, Senatusconsulti de Bacchanalibus . . . . explicatio, p. 38, and plate.

b. Two ancient Sculptures (Roman ?) on each side of Sacristy entrance.

III. *Sta. Restituta.*

Two Pulpits. Fronts of early Roman Christian work in marble, of great interest, and forming a most valuable link in the History of Art.

IV. *Museo.*

Two Busts of Paul III.

See Museo Borbonico, Vol. XVI.

PADUA:

I. *San Antonio.*

a. Bronze Bas-reliefs by Donatello on the face of chief Altar, and on face of Altar in Chapel of the Holy Sacrament on the south side of the Church.

b. Donatello's bronze Bas-relief of the Deposition.

c. Bronze Bas-reliefs by Riccio and Bellano on the walls of the Coro.

"Il presbiterio parimente è ricchissimo per la sua architettura, i suoi ornamenti e le statue rappresentanti le virtù, fuse dal citato Aspetti. Sue parimente sono le porticelle che chiudono l'accesso; e il Vellano, o come altri chiamano Bellano o Bellani, scolaro di Donatello, unito col Riccio detto altrimenti Crispo, fusero le storie del testamento antico che stanno sotto le cantorie. Donatello fece i simboli che rappresentano i quattro Evangelisti e i bellissimi bassi rilievi che formano il parapetto dello altare oltre gli altri bassi rilievi che sono disposti intorno all' altare del Sacramento."—CICOGNARA, Storia, &c. II., 174, and plates. *See* also MURRAY, N. I. p. 330, and PERKINS, Italian Sculptors, p. 225.

II. *Gli Eremitani.*

Terra-cotta Altarpiece.

Cast by Antonio Gradenigo, Riviera San Antonio, Padua. Price 300 francs.

PALERMO:

I. *Monreale Cathedral.*

a. A selection of the Capitals of the Cloisters.

"Nine are Corinthian and ancient (of white marble), the rest are contemporary with the church, and of an uniform pattern, having acanthus foliage below, cornucopias in the place of volutes, and female heads of classic character in medallions between them, all elaborately and delicately cut."

Capitals of Cloisters of adjoining Convent.

"Constitute the chief interest and glory of this cloister. They are adorned with foliage and figures most elaborately and delicately carved, often quaint in the extreme, yet generally beautiful and always rich; and they display a surprising fertility of imagination, inasmuch as out of more than 200 no two are alike."

b. West Door.

"A magnificent door of bronze, richly ornamented with arabesques and with Scripture subjects in relief, in 42 compartments. An inscription at the bottom records the name of the artist and the date of his work: 'Anno Dei MCLXXXVI. Indictione III. Bonannus Civis Pisanus me fecit.'"—MURRAY, Sicily, pp. 121–129.

See also GRAVINA, Il Duomo di Monreale illustrato.

II. *Cappella Reale.*

a. Marble Candelabrum of 12th century.

"Questo bellissimo monumento, la più insigne opera di scalpello, per quanto io ne conosco, che la mano umano seppe fare nel secolo duodecimo e nei secoli a questo vicini. Molto ricca era la fantasia di colui, che imaginò la variatissima composizione di questo nobile ornamento della nostra Basilica, e la mano perita che condusse a buon fine con tanta maestrial in quei tempi oscuri e poverissimi di mezzi, un lavoro cos, delicato."—BUSCEMI, Notizie della Basilica di San Pietro, &c., p. 22, and plate.

b. Inscription of how King Roger had set up a clock.

"Sta pure attaccata allo stesso muro una lapide marmorea con iscrizione trilingue, che ricorda il famoso orologio dal Re Rogerio fatto costruire nel 1142. Le parole latine che si leggono in quell' antico marmo, sciolte dalle abbreviature, sono:—'Hoc opus horologii precepit fieri dominus et magnificus rex Rogerius anno incarnationis Dominice MCXLII m. Martii, indict. V., anno vero regni eius XIII feliciter.'"—BUSCEMI, Notizie, &c., p. 13, and plate.

PERUGIA:

I. *San Bernardino e Andrea.*

Lunette and Bas-reliefs on the face of the arch piers, three on each side, by Agostino Ducci (della Robbia).

"Agostino di Duccio, or Gucci, made . . . . the beautiful façade of the ch. of S. Bernardino at Perugia, which, with its terra cottas and parti-coloured marbles, forms one of the most charming examples of polychromatic architecture in Italy. In the lunette S. Bernardino appears in a glory of flaming tongues, attended by angels playing upon musical instruments. Among the figures in relief upon the pilasters is a group of angels, one of whom is playing upon a lute, and a lovely figure of Chastity with a lily branch in her hand, whose draperies, arranged in subtle and delicate folds, fall with consummate grace. The reliefs over the door, representing scenes from the life of the saint, are notably realistic in style, and eminently naive in sentiment . . . . In plastic power, and facility of invention, they surpass any of the terra-cotta works of L. della Robbia or his scholars."—PERKINS, Tuscan Sculptors, p. 200, and plates.

See also photograph in Art Library, S. K. Museum.

II. *Duomo.*

Gothic Pulpit on wall over market place, by John of Pisa.

"Pulpito detto di S. Bernardino. Si vede annesso all' esterno della Catedrale; è gentil lavoro marmoreo d'incerto, a piccole pietre a mosaico; e così detto perchè da esso varie volte S. Bernardino predicò al popolo nel 1440."—ROSSI SCOTTI, Guida di Perugia, p. 18.

See photograph in Art Library.

POMPEII: Marble terminal Post.

RAVENNA:

Duomo.

a. Ivory Chair of Maximian.

"Milieu du VI. siècle. Cathedra, ou siège épiscopal, en ivoire couvert de toutes parts de tablettes à sujets sculptés, placé aujourd'hui dans une armoire de la sacristie de l'Église métropolitaine de Ravenne, dont il ornait autrefois le Presbyterium. Le monogramme de la frise du siège fait remonter l'exécution et l'usage de cette œuvre d'art, si remarquable pour son époque, à l'épiscopat de l'Archevêque Maximien, dont la figure, avec épigraphe, se trouve dans la mosaïque de l'apside de la Basilique de S. Apollinaire 'in classe' de Ravenne, qu'il dédia en 549."—DU SOMMERARD, Les Arts au Moyen-âge, plate XI. *See also* LABARTE, Illustrated Handbook, &c., and MURRAY, North Italy, p. 527. *See also* Description with plate in Ciampini, Vetera Monimenta, II., 169.

b. Paschal Calendar.

This would be of interest in the Educational Collection.

"In the sacristy is a Paschal Calendar on marble, a remarkable monument of astronomical knowledge in the early times of Christianity. It was calculated for 95 years, beginning with A.D. 532."—MURRAY, North Italy, p. 527. *See also* Description with plate in Ciampini, Vetera Monimenta, II., 169.

ROME:

I. *S. Maria Maggiore.*

a. Monument by Cosimato (with its mosaic).

"Vuol farsi particolare menzione del monumento quì eretto al Card. Gonsalvo Rodriguez, defunto nel 1299, e che trovasi posto nella navata minore destra fra la Cappella Sestina. Su cui noteremo soltanto, che la pittura la quale vedesi nella parte superiore in cui è effigiata la Vergine col Divin Figliuolo, avente a destra S. Mattia col Cardinale genuflesso, ed a sinistra S. Girolamo, è in mosaico, e venne eseguita da un Giovanni de' Cosimati, celebri artisti di quel tempo."—FONTANA, Chiese di Roma, III., 35, and plate.

"On a tomb in the church of S. Maria Maggiore is a mosaic representing the Blessed Virgin with the infant Christ, the bishop of Albi, S. Matthias, and S. Jerome. These inscriptions are engraved on the marble:—Hic depositus fuit quondam dominus Gunsalvus episcopus Albanensis anno Domini MCCLXXXXVIIII.—Hoc opus fecit Johannes Magister Cosmati civis Romanus."—PARKER, Mosaic Pictures in Rome, &c., p. 34. *See also* CICOGNARA, Storia, &c., III., 257.

II. *Vatican.*

a. Window Shutters in the Stanza dell' Incendio del Borgo, by Barile.

"Ma fra gli artefici che posero mano all' intaglio con ottima direzione e ingegno acuto e felice si deve annoverare quel Gian Barile, al quale Raffaello in tutte le porte e palchi di legname in Vaticano fece fare assai cose d'intaglio lavorate e finite con bella grazia. Vedonsi questi intagli nelle soffitte, porte e finestre di quell' appartamento."—CICOGNARA, Storia, &c., V., 531, and MURRAY, Central Italy (Rome), p. 182. *See also* photographs in Art Library.

b. Fifth century ivory Diptych, Romulus and Remus.

"Hoc ipsum Diptychon rarissimum jam dudum ante oculos habui, multumque observavi; at nunc, dum haec scribo trans-

latum esse mihi constat in Museum Sacrum Vaticanum; in quo veluti in sede ac domicilio venerandæ Ecclesiasticæ Antiquitatis reconditum, diligenterque servatum, nullis temporum vicissitudinibus erit obnoxium; sed summa cum voluptate ab Eruditis æternum spectabitur . . . ." With more in the way of elaborate description, and plate, in GORI, Thesaurus veterum Diptychorum, &c., III., 188, &c.

III. *Sta. Pudenziana. Gaetani Chapel.*

Bas-relief over the Altar.

IV. *Sta. Maria del Popolo.*

a. Raphael's Jonah.

"Di questo artefice abbiamo dato colla Tav. LXIII. il disegno delle belle statue dei profeti Giona ed Elia, essendo fra le moderne le più perfette che possansi ammirare."—FONTANA, Chiese di Roma, III., 41, and plate; MURRAY, Central Italy (Rome), p. 141; Model in Art Museum.

b. Front of the Altar in the Chigi Chapel, with Raphael's mosaics.

"Raffaello stesso fece il disegno pel gran quadro dell' altare, esprimente la natività della Madonna, che poi fu colorito da Sebastiano del Piombo . . . . . I preziosi mosaici che adornano la cupola, rappresentanti i pianeti col Padre Eterno che sta in atto di porre in movimento i cieli, vennero lavorati da Marcello Provinciale, o come altri vogliono, da Luigi di Pace, sui cartoni lasciati da Raffaello stesso, da cui mente sublime poteva solo uscire un' invenzione così bella e nobile in ogni sua parte."— FONTANA, Chiese, &c., III., 40, and plates; LATAROUILLY, Édifices de Rome, Vol. III.; MURRAY, Central Italy (Rome), p. 140; GRUNER, Mosaics of the Cupola of the Cappella Chigiana.

V. *Lateran Museum:* PAGAN.

a. Monument of the Aterii.

b. Sarcophagus: Niobe.

"Pregio grandissimo di questo raro marmo è il mostrare 24 figure quasi tutte finite e si ben composte, che gli atteggiamenti abbiano varietà, ed i gruppi della rappresentanza conveniente equilibrio," &c.—GARRUCCI, Monumenti del Museo Lateranense, p. 10, and plate.

"L'esecuzione di questi bassi rilievi è delle meno scorrette che soglian vedersi in archi sepolcrali, ma la composizione e l'invenzione delle figure sono delle più nobili, espressive, e maravigliose," &c.—VISCONTI, Il Museo Pio Clementino, IV., 36, and plate 17.

c. Sarcophagus: Orestes.

"Non ho io raccontato tutto, ma soltanto quello che mi occorreva per la spiegazione delle scene rappresentate sopra il bel monumento che illustro; e sappiasi che fra gli antichi bassirilievi e le antiche pitture non se ne ha finora veruno che di mano di un solo artista figuri tutta questa narrazione," &c.—GARRUCCI, Monumenti, &c., p. 2, and plate.

See also GRIFI, Intorno ad un Sepolcro disotterrato, &c., and BENNDORF und SCHÖNE, Die antiken Bildwerke des Lat. Mus., p. 286.

d. Cast of the three Hercules.

VI. *Lateran Museum:* CHRISTIAN.

a. Statue: The Good Shepherd.

"Cette sculpture est d'un bon style, quoique l'exécution en soit grossière. Une expression de douce mélancolie est peinte

sur le visage du Bon Pasteur. Il porte une tunique courte, drapée avec art et serrée autour des reins par une ceinture. Ses genoux et ses bras sont nus; il a une chaussure de berger le *pedum* est à sa main gauche. La brebis se dresse sur ses épaules; elle soulève la tête pour bêler d'un air joyeux. On croit à Rome que ce monument a été tiré des catacombes."—PERRET, Les Catacombes, &c., VI., 102, and plates.

b. Sarcophagus: Basilica of S. Paolo.

"One of the most remarkable sarcophagi in the collection, as it is also the largest. It was discovered some years ago under the floor, and near the Confessional of the Basilica of S. Paul's. This sarcophagus, which is supposed to date from the last third of the fourth century, when the basilica was re-erected by Theodosius, is remarkable for its sculptures," &c.—MURRAY, Central Italy (Rome), p. 265.

See photograph (65,230) in Art Library.

c. Sarcophagus: Jonah.

"Sarcophagus iste marmoreus . . . . . sacris, tum veteris tum novi Testamenti, historiis exornatur. I. Christus Dominus Lazarum quatriduanum è mortuis excitat. Martha . . . illum veluti adorat. II. Moyses, percussa in deserto Petra, ... producit aquas. III. Videas quoque licet Jonam Prophetam ter illic exculptum, semel, ubi è navi projicitur in mare, et fauces balenae ingreditur: iterum, dum illum immanis bellua triduo post in terram evomit: tertiò denique sub umbraculo recubare videtur."—ARINGHI, Roma Subterranea, I., 334, and plate.—D'AGINCOURT, History of Art, II., plate V., No. 6.

See also photoglaph (65,238) in Art Library.

d. Sarcophagus: Our Lord's miracles.

See photograph (65,234) in Art Library.

e. Sarcophagus: The Good Shepherd.

Remnants of colour and gilding remain upon this Sarcophagus.

f. Sarcophagus: Our Lord and the vintage.

"Questro gran sarcofago dicesi trovato fuori porta S. Sebastiano nella vigna Ammendola. L'antico autore che lo compose immaginò una vendemmia, e a lei dinanzi tre grandi pastori, uno nel mezzo e due ai lati; tutti e tre vestiti in egual modo, e con in mano un bastone ricurvo, ed una pecora sulle spalle: però fece barbato quello di mezzo, e i laterali imberbi, ma tutti e tre collocò sopra basi a maniera di statue. Sulla faccia opposta scolpì cancelli a bassissimo rilievo, e li divise in tre parti; la media delle quali chiuse con mandorlato a belli ornati di fiori, che ne empiono tutti i vanni; alle altre due diede cancelli lavorati a semplice squama. Nei fianchi rappresentò la mietitura del grano e la raccolta delle ulive, e pose ivi inoltre erotici con simboli delle stagioni."—GARRUCCI, Monumenti, &c., p. 101, and plate.

See also photograph (65,235) in Art Library.

g. Sarcophagus: Streets of a town.

"Utraque arcæ . . . latera, quae ædium quarundam simulacra graphicè elaborata præ se ferunt, oculis præsenti tabula subjicimus. I. In primis Christus Dominus in medium producitur, qui, vanam Petri jactantiam castigans, prædicit ut . . . ab illo ter negetur. II. In altero verò latere Moyses repræsentatur, qui . . . è petra aquas affatim educit, Deinde Christus . . . cujus pedibus mulier . . . . provoluta conspicitur."—ARINGHI, Roma Subterranea, I., 318, and plate.

VII. *Capitol.*

a. Bronze foot.

"The foot of a male figure with an elaborately ornamented sandal."—MURRAY, Central Italy (Rome), p. 253.

b. Bronze vase.

"On voit par l'inscription qui est autour du bord, et qui est copiée sur le piédestal, qu'il fut donné par Mythridate Roi de Pont au Collège des Gymnasiarques Eupatora. On l'a trouvé à Porto d'Anzo."—TOFANELLI, Description des objets . . . au Capitole, p. 37.

A representation of this vase is given in BOTTARI and FOGGINI, Museo Capitolino, I., 181.

c. Marble Maps.

"Les murs sont couverts de 26 quadres qui contiennent des fragmens du plan de l'ancienne Rome. Dans le premier on a ajouté l'échelle du métal du plan qui est de 80 pieds romains antiques. On les trouva en faisant les reparations de l'Église de SS. Côme et Damien, ci-devant le Temple de Rémus et Romulus à la voie sacrée."—TOFANELLI, Description &c., p. 32.

See treatise, with plates, by BELLORI (Fragmenta vestigii veteris Romæ) in GRÆVIUS, vol. IV.

See also photographs (PARKER'S Archæology of Rome) in Art Library.

d. Bas-reliefs: Life of M. Aurelius.

"From the triumphal arch of this emperor on the Via Flaminia, now the Corso, near the Palace Frasio, in Rome. On the destruction of this arch the bas-reliefs were brought to the Capitol, where they are placed on the staircase of the Palace of the Conservatoria."—D'AGINCOURT, History of Art, vol. II., plate I., No. 28.

See also BARTOLI and BELLORI, Admiranda Rom. antiq. vestigia, plate 6.

VIII. *Basilica of S. Paolo.*

a. Candelabrum.

"Il candelabro è di marmo bianco, alto dal piede alla coppa palmi 21 oncie 4. Fu fatto fare per il cero pasquale, ed è situato ora sopra un moderno piedestallo quadrato, in due lati dal quale si legge:—Hanc sacris veteres facibus statuere columnam quam Casinenses restituere cruci. Olim ignes nunc clara Dei vexilla triumphum devictæ mortis symbola pacis habet.—Dalla iscrizione che leggesi sul candelabro stesso si rileva, che fu lavorato da Niccolò de Angilo, e Pietro Fassa de Tito, de' quali scultori non mi riuscì trovar memoria; dallo stile però si vede essere essi stati molto anteriori a Donatello, e . . . io credo che non debbano essere posteriori al secolo XII." —NICOLAI, Basilica di S. Paolo, p. 297, and plate.

b. Bronze Panels of door.

"This door is of wood, and covered with strong plates of bronze. The whole front is divided into six equal parts in width, and nine in height, giving fifty-four oblong compartments containing subjects, figures, and inscriptions. The subjects are taken from the life of Christ, &c. These figures are not in relief, but engraved in outline in the bronze, and the lines filled in with silver, which, however, time and the cupidity of man have tended nearly to destroy."—D'AGINCOURT History of Art, vol. II., pp. 13-20.

See also NICOLAI, Basilica di S. Paolo, and CIAMPINI, Vetera Monimenta, I., 35, and plate.

IX. *Basilica of S. Giovanni.*

Tomb of Martin V.

"Questo sepolcro ha la forma d'una grande cassa di marmo, e da' due lati maggiori sonovi scolpiti in basso rilievo quattro puttini per ogni lato, ogni due de' quali reggono una corona di fiori, con entrovi lo stemma gentilizio de' Colonnesi, da' canti minori sonovi eziandio due putti per ciascun canto, tutti atteggiati nel modo medesimo. Un coperchio di bronzo chiude la cassa suddetta, ed in esso è scolpita in basso rilievo la figura al naturale di Papa Martino, giacente dopo morto sopra una coltre. Il Pontefice è rivestito degli abiti pontificali, colla pianeta e stola, con sottovi le due tonicelle, ed ha in capo il triregno. La testa di lui posa sopra un guanciale ornato con arabeschi. Egli tiene le mani, che sono coperte dai guanti, incrocicchiate sul petto, ove scorgesi un crocifisso, a' lati del quale veggonsi due piccole teste, l'una di Maria, per quanto ne sembra, l'altra di S. Giovanni Evangelista."—VALENTINI, La Basilica Lateranense, p. 59, and plate, and FONTANA, Chiese di Roma.

X. *Basilica of S. Peter.*

Bronze Door.

"La porta maggiore della Basilica Vaticana anticamente era coperta di argento per cui ebbe il nome di *argentea*. Essa dopo varie vicende e rinnovazioni fu mutata in bronzo da Eugenio IV. il quale al suo tempo la trovò quasi intieramente distrutta. Narra il Vasari nella vita dello scultore Antonio Filarette, che quel pontefice, avendo saputo che i Fiorentini avevan fatto fare di bronzo le porte di S. Giovanni da Lorenzo Ghiberti, entrò in pensiere di farne eseguire una di simil metallo per la chiesa di S. Pietro, e a tal fine diede le opportune commissioni agli scultori A. Filarete e Simone Baldi, fratello del celebre Donatello . . . . Il Filarete e Simone non fecero cosa nella porta Vaticana che possa paragonarsi a quante il sommo Ghiberti operò in quella di S. Giovanni di Firenze; ma pure il loro lavoro mostra alquanti pregi."—VALENTINI, Basilica Vaticana, I., 53, and plates.

See also photograph (PARKER'S Archæology of Rome) in Art Library.

VENICE:

I. *St. Mark's. Chapel of Zeno.*

Tomb and Altar Piece by P. and J. Campanati, 1505–1515.

"The splendid tomb of Cardinal Zeno was cast in 1505–15, from the designs of the two Lombardi and of Alessandro Leopardi."—MURRAY, North Italy, p. 351.

"The bronze monument of Cardinal Zeno, which occupies the centre of the chapel, consists of a mortuary couch, supported upon a quadrilateral base with six large figures at its corners and sides. Between the statues are panels adorned with female figures in relief, holding branches in their hands. The bronze effigy of the cardinal is robed in a vestment carefully worked out in raised patterns."—PERKINS, Italian Sculptors, p. 197.

"Noi non parleremo del magnifico Sarcofago ove sta nella parte superiore sdrajata la figura del Cardinale. . . . Nostro scopo è bensì di dare con diligenza disegnato in una tavola il Prospetto e la Pinta dell' altare che nella citata Cappella sta

in faccia al monumento sepolcrale, e che crediamo meritar possa di comparire fra i monumenti Veneziani più distinti in genere di architettura e di ornato."—CICOGNARA, Fabbriche, e Monumenti di Venezia, I., 41.

For altar, *see* plate in Cicognara.

For sarcophagus, *see* plate in DIEDO AND ZANOTTO, I Monumenti di Venezia.

II. *San Giovanni e Paolo.*

Cinque-cento Tomb of Andrea Vendramini.

"Noi presentiamo alla Tav. XLII. il monumento totale di cui abbiamo parlato, monumento che come la più parte di quelli che abbiamo prodotti non ebbe mai penna o bulino che lo illustrasse nella menoma parte. La dignità del suo insieme, la sua magnificenza unita alla sua somma eleganza lo costituiscono un dei più insigni che sieno stati eretti doppo il risorgimento delle arti, e meglio che alla descrizione verbale suppliranno le tavole dei dettagli che noi presentiamo, acciò che ne sieno pienamente conosciute la bellezza, le proporzioni, e i singolari ornamenti. Il magnifico basamento del corpo di mezzo soltanto si vede alla Tav. XLIII., in cui ogni genere di ornato si trova con tutta l'accuratezza delineato, e fa conoscere fin dove giungesse il gusto squisito di questi eccellenti scultori."—CICOGNARA, Storia, &c., IV., 352, and plate.

"The most splendid monument of its kind in Venice."—MURRAY, North Italy, 378.

See photograph in Art Library, South Kensington Museum.

LIST of OBJECTS to be considered for REPRODUCTION in painting on GLASS, and also Tiles, Electrotype, Mosaic work, &c.

ASSISI:

San Francisco.

Two specimens of Tarsia work of Choir and its framing. S.E. angle.
See MURRAY, Central Italy, p. 399.

BOLOGNA:

San Petronio.

Portions of Michael Angelo's stained glass windows.
See MURRAY, North Italy, p. 493.

FLORENCE:

I. *Baptistery.*

Signs of Zodiac in floor; inlay of marbles.
See MURRAY, Central Italy, p. 99.

II. *Cathedral.*

a. One of the windows in S. transept.
b. Rose window at west end.
See MURRAY, Central Italy, p. 93.

III. *Santa Maria Novella.*

a. Rose window at west end.
b. Central window in apse.
See MURRAY, Central Italy, pp. 123 and 125.

IV. *Santa Croce.*

Rose window at west end.
See MURRAY, Central Italy, p. 102.

Appendix D. REPORT ON SOUTH KENSINGTON MUSEUM.

MILAN:

I. *Duomo.*

Three panels of window in the S. side of church.

See MURRAY, North Italy, p. 176.

II. *San Ambrogio.*

The Altar Pala.

See MURRAY, North Italy, p. 181, and DU SOMMERARD, Les Arts au Moyen-âge. Text, Vol. II., p. 487, and Album, Vol. V., pl. 18 and 19.

III. *Casa San Innocente.*

Silver répoussé work.

NAPLES:

Museo.

a. Bed from Pompeii	estimated at	£120	Reproduced in bronze.
b. A bucket, with inlaid work	„	40	
c. Diomed's lamp	„	60	
d. A vase	„	50	
e. Fireplace	„	50	
f. Curule seat	„	100	
g. Front of a curule seat	„	50	
h. Tripod	„	80	
i. Table of Victory	„	40	
j. Urn	„	40	

ROME:

I. *San Lorenzo fuori le mura.*

Picture of two knights in the floor. Mosaic, set in Opus Alexandrinum.

Small representation in LETAROUILLY, Edifices de Rome, III., plate 269. *See also* Ciampini, Vetera Monimenta, vol. I., pl. xxxi.

II. *Santa Sabina.*

Sepulchral monument, in floor of nave, of Munio di Zamora, A.D. 1300. Roman Mosaic, with Opus Græcanicum in border.

Representation in D'AGINCOURT, History of Art, &c., plate XVIII., No. 17.

"Monument to a Dominican monk in mosaic work of a very peculiar kind, formed of black and white stones inlaid in white marble. The inscription in the ordinary character of the period runs thus:—"Hic jacet Frater Munio Zamorensis natione Hispanus quondam ordinis Fratrum Predicatorum magister septimus qui obiit septima die mensis Martii anno Domini millesimo trecentesimo pontificatus Domini Bonifacii P.P. VIII., anno VI."

III. *Lateran Museum*: PAGAN SECTION.

Mosaic: Sylvanus and dog.

"Die Nische, welche durchaus dunkelblauen Grund hat, ist rings mit einem dunkelrothen Streifen eingefasst, der auch die Kuppelwölbung nach unten abgrenzt. Unten steht, auf grünen Boden, Silvan e. f. mit braunen langem Haupthaar und vollem Bart, in dem gewöhnlichen Typus. Er trägt eine weisse, roth gesäumte Aermeltunica und hohe grünliche Stiefeln, welche die Zehen frei lassen; von der l. Schulter fällt ein gelbliches Thierfell nieder. Um den Kopf liegt ein

bläulicher, ins grünliche spielender Nimbus. Im l. Arm hält er einen Ast mit Laubkrone, in der Rechten das gewöhnliche Messer mit gelbem Griff. Neben ihm r. kauert en face ein weisslich bräunlicher Hund, der zu ihm aufblickt. Hinter diesem r. ein Baum, und vielleicht ein Strauch. Links von Silvan ein graublauer Altar aus Quadern mit brennendem Feuer; daneben zwei Bäume."—BENNDORF & SCHÖNE, Die antiken Bildwerke des lateranensischen Museums, &c., p. 384.

IV. *San Clemente.*

Opus Constantinum on floor of lower church.

Price given by Pietro Palissy, 6 scudi = 30 francs per foot.

VENICE:

San Giovanni e Paolo.

a. S. transept window inscribed "Sublime opus di Vivarini, 1473." *See* MURRAY, North Italy, p. 377.

b. Figure of Christ in Mosaic.

PICTURES in CATACOMBS.

Recommended by COMMENDATORE DE ROSSI, who would undertake to look after the work of copying them.

a.	Virgin of Priscilla	2d century.
b.	Ceiling of the crypt of Lucina	
c.	Saviour and Woman of Samaria	
d.	Good Shepherd; crypt of Lucina	3d century.
e.	Orpheus	
f.	Dionysius	
g.	Virgin of Marcellinus and Fabius	
h.	Christ and the Apostles; Domitilla	4th do.
i.	Virgin of St. Agnese	
j.	Three Saints; crypt of St. Cecilia	5th do.
k.	Four Saints; Marcellinus and Fabius	
l.	St. Cecilia	7th do.

The estimated cost of these copies is about 100*l.*

WALL PICTURES found in the Old Church of San Clemente, Rome.

Father MULLOOLEY, of San Clemente, undertakes the charge of superintending the copying.

a.	A Roman Head	Wall picture.	A.D. 300
b.	A Head of person unknown	do.	400
c.	A Crucifixion	do.	640–650
d.	An Assumption	do.	before 845
e.	Installation of St. Clement		9th century
f.	Miracle of tomb of		9th do.
g.	Translation of Relics of		9th do.
h.	St. Alexis		9th do.
i.	Our Saviour blessing, according to the Greek rite		9th do.

The estimated cost of these copies is from 125*l.* to 150*l.*

COPIES of PICTURES by early ITALIAN MASTERS, which would be valuable as illustrations in the History of Art.

BOLOGNA:

Accademia.

Raphael's Santa Cecilia.

The cost of a copy of this work would be 1,000 francs.

FLORENCE:

I. *S. Maria Novella.*

a. Cimabue's Virgin and Child in S. transept.
b. Selected portions of Ghirlandajo's frescoes.
c. One of Filippino Lippi's frescoes.

II. *Laurentian Library.*

a. Evangelario Greco; 11th century copy of the Evangelists.
b. Geography, A.D. 1410, on the system of Copernicus.
Copy maps for Educational Museum.

III. *Accademia.*

a. The Penitent Magdalen	No. 1	in Catalogue.
b. Cimabue's Virgin	„ 2	„
c. Virgin and Child, by Giotto	„ 15	„
d. Jesus laid in the Tomb, by Taddeo Gaddi	„ 31	„
e. Adoration of the Magi, by Gentile da Fabriano	„ 32	„
f. Descent from the Cross, by Beato Angelico	„ 34	„
g. Coronation of the Virgin, by Filippo Lippi	„ 41	„

MILAN. Old silk on door at the back of Altar Pala; man riding on horseback.
A copy of this was sent to the Paris Exhibition of 1867.

NAPLES:

I. *Museo.*

a. Albert Dürer's Adoration.
b. The Pompeian paintings.
A selection of one or two of the best in point of art might be photographed of full size, and the photographs be tinted.

II. *Monte Oliveto.*

Tiles in floor of chapel.

III. *San Giovanni e Carbonaro.*

The floor tiling in the Chapel of the Caracciolo.

PERUGIA:

I. *Casa Conestabile.*

Copy of Raphael's picture of the Madonna, and of its frame.

II. *Pinacoteca.* Paintings by,

Benedetto Benfigli	No. 1	in Gallery.
Fiorenzo di Lorenzo	„ 29	„
Niccolo Alunno	„ 2	„
Boccati di Camerino	„ 4	„

Margaritone. A large Crucifixion, A.D. 1272.

III. *Convent of San Severo.*

One of the Angels of Raphael's first work.

VENICE:

I. *Biblioteca di S. Marco.*

Grimani Breviary. A selection of the subjects; for example—
Sampson with the Gates of Gaza.
Popes and Bishops of the Church.
The Wise and Foolish Virgins.
St. Philip and St. James.
St. Peter and St. Paul.
Santa Maddalena.

Death and Coronation of the Virgin.
Archangel Michael.
Santa Catarina disputing with the Doctors.
See ZANOTTO, Fac-simile des Miniatures contenues dans le Bréviaire Grimani, &c.

II. *Torcello.*

Mosaic of apsidal Chapel on S. side of Choir.
The arch in the waggon-shaped portion.

The following OBJECTS might be PHOTOGRAPHED with advantage.

BOLOGNA:

The Accademia.

Engraving on silver, by Brizzi.

COIRE:

Cathedral Church.

Objects in the Treasury.

FLORENCE:

I. *The Annunziata.*

Pieture by Vasari which shows men preparing colours, etc. for the artist.

II. *Uffizi. Passage to Pitti.*

Decorative Sketches.

III. *Palazzo Montalbo.*

The best portions of the Sgrafitto work.

MILAN:

I. *Piazza dei Mercanti.*

Terra Cotta Archivolts, etc. on S. side of the Square.

II. *Duomo.*

Ivories and other objects earlier than the 16th century.

III. *San Ambrogio:*

a. Altar Pala.
b. The Pax of Azzo Visconti.
c. Other good works in Treasury.

NAPLES:

I. *Museo.*

a. Annibale Carracci's Engravings on Silver.
b. Pan Squeezing liquor into the mouth of Bacchus.
c. A Pietà, inscribed "Ant. Mar. Card. Salv."
d. Roman Dish with Bacchus.
e. Pompeian Wall-Mosaic, of the Boxer.
f. Comic Scene of the Instruction of Actors, in small Mosaic Tesseræ.
g. Comic Scene of Men and Women playing on Musical Instruments.
h. The large Mosaic Panther.

These are of so much interest that it may be advisable to make careful drawings of them. Sr. Castellani would superintend their execution.

The photographs to be taken on proper paper for colouring, and to be tinted.

Photographs of the best forms found in Pompeii of furniture and domestic utensils should be systematically photographed by Cundall or others.

II. *Sta. Chiara.*

a. The Tomb of King Robert the Wise.
b. „ Mary of Valois.
c. „ Charles the Illustrious.
d. „ Mary, Empress of Constantinople.
e. „ Her Daughters, Agnes and Clementina.

III. *S. Giovanni a Carbonara.*

a. The Tomb of King Ladislaus, by Ciccione.
b. „ Sergianni Caracciolo.
c. The Frescoes in the Cappella di Caracciolo.
The Frescoes much faded, and the Tombs, which are very fine, partly covered by Altars in front of them.

IV. *Monte Oliveto.*

Bas-reliefs, by Antonio Rossellini, in the Piccolomini Family Chapel.

PADUA:

S. Antonio.

a. N. Transept. Bas-reliefs in Marble.
b. Bronze Bas-reliefs of Riccio, Bellano, and Donatello (with a view to reproduction in plaster, or by electrotype).
c. Candelabrum, by Riccio.
d. Objects in the Treasury.

PALERMO:

Thirty capitals of Monreale Cathedral cloisters.
Order given to Tagliarini, 217, Strada Maqueda. The Museum undertakes to purchase 20 copies of each, at 1·50 fr. each. Colonel Yule, R.E., to make the selection.

PERUGIA:

Pinacoteca.

The whole Gallery of Paintings.
The light is unusually good for the purpose, and the series most valuable as illustrations of the History of the Art of Painting.

POMPEII:

The Fountain in Bear's House.
The Photograph should be coloured.

ROME:

I. *San Lorenzo fuori le mura.*

The Sarcophagus of Zosimus.
Photograph all four Sides.

II. *Sta. Sabina.*

West Door of carved cypress wood of very early date.

III. *Vatican.*

The Sepulchral Urns of Constantine, and of his daughter Costanza.

IV. *Sta. Pudenziana.*

Bas-relief over Altar in the Gaetani Chapel. (This also is a subject for reproduction in plaster.)

V. *Ara Cœli.*

Tomb in S. Transept; the base Pagan, with Opus Græcanicum above.

VI. *The Capitol, &c.*

Busts illustrating various modes of dressing hair.
The Vatican. La sala delle nozze adombrate.
The best of the landscapes and figures found in the Via Appia, &c.

VENICE:

I. *The Frari.*

Renaissance Work on Pilasters of Choir.

II. *S. Giobbe.*

The Tomb of Cristofero Mauro.

III. *S. Mark's.*

a. The Mosaic Work of Sacristy.
b. San Devino's Bronze Doorway with Sacristy.
c. Objects in the Treasury.

IV. *Accademia.*

The Columns and Capitals of the entrance.

V. *Torcello.*

The Columns and Capitals outside the Cathedral.

VI. *Murano.*

The Roman square Columns at the west end of the Cathedral.

In our Report on Mosaic pictures in Italy we expressed an opinion that, before any plan could well be made for representing the history of the art of Mosaic Working in the Museum, it would be necessary that careful drawings should be made of the principal Mosaic pictures, and whilst in Rome we saw S. Salvatore Zeri, an artist of consummate skill in making copies of such works, on the subject. The gentleman has now furnished a tender.

Drawings of these Mosaics would form a good commencement of the intended series of illustrations of Mosaic Art, and a collection of extracts respecting them from various writers on Art is appended.

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2. REPORT of the MUSEUM SUPERINTENDENT and ASSISTANT DIRECTOR for ARRANGEMENT.

REPORT BY MR. THOMPSON.

SIR,

IN reporting to you on the general arrangement of the objects in the Museum, and on the numerous additions made during the past year, I cannot but allude to the great inconvenience experienced in all divisions arising from the insufficiency of space for the proper exhibition and classification of the additions made to the various collections, more especially in the Art and Educational libraries, where the reading rooms in both cases are altogether inadequate to accommodate the number of persons desirous of consulting and examining the books and examples contained therein. On the evenings of Saturdays, when the libraries are much used by the working classes, many are obliged to stand, there being no room at the tables. In the Art Library greater shelf accommodation for books is urgently required, whilst in the Educational Division it has been necessary to decline the acceptance of many examples of educational appliances because of the impossibility of exhibiting them.

Insufficiency of space.

The general inconvenience and overcrowding of the Museum has been considerably increased by the necessity of giving up to the Trustees of the National Portrait Gallery a large portion of the eastern end of the Exhibition Galleries overlooking the Horticultural Gardens, and formerly

Appendix D. REPORT BY MR. THOMPSON.

used by this Department for the annual exhibition of the works of students, competitive designs for fans, and other purposes.

Dyce Collection.

The Art Museum has been enriched by many valuable and interesting examples, the most important being the collection bequeathed to the nation by the late Rev. Alexander Dyce. It consists of many thousands of items of books, pictures, water-colour drawings, engravings, and miniatures, many of great rarity. In compliance with the deed of gift, a room is now being specially fitted up for this collection, and will shortly be opened to the public. All the specimens will be exhibited together, and will be called the Dyce Collection.

An important addition, by purchase, has been made in the boudoir of Madame de Serilly, Maid of Honour to Queen Marie Antoinette, a work of great beauty and interest. It has been reconstructed, on its original plan, at the east end of the South Courts.

Musical instruments.

Many new examples of musical instruments have been obtained both by gift and purchase, and the whole collection has been removed from its former position and re-arranged in the South Courts. The collection of reproductions, including many new and important works, has been brought together, and is now exhibited in the South Court, adjoining the musical instruments.

Textile fabrics.

The greater part of the examples of early textile fabrics have been framed and hung on the new rotating stands; several hundreds of specimens are now shown on these stands, and the facilities for consulting them have thus been much increased, whilst a great saving of space has been effected. I am in hopes of being able, in the course of the ensuing year, to bring together the whole collection of textile fabrics, and to exhibit them in the West Cloisters.

Goldsmiths' work and jewellery.

The examples of goldsmiths' work, jewellery, and enamels belonging to the Department have been removed from the South Courts, and re-arranged in the Prince Consort's Gallery and in the galleries adjoining. It has also become necessary to place cases down the centres of the water-colour galleries to exhibit a portion of the jewellery and goldsmiths' work. Low cases have been used, and though objectionable in the present crowded state of the Museum, they are the best available for the purpose. The specimens of ancient Roman and Greek glass have been arranged in similar cases in the centre of the gallery occupied by the Townshend Collection of pictures.

Townshend Bequest.

By the withdrawal of the Hope Collection of Dutch pictures sufficient space became available for the exhibition of the pictures bequeathed to the Museum by the Rev. Chauncy Hare Townshend. A portion of this collection had previously been exhibited in the galleries overlooking the Horticultural Gardens; a second portion of the bequest, consisting entirely of pictures by modern foreign artists, has since been received from Switzerland, and is arranged in the room adjoining the water-colour gallery.

Loans.

Among the more important loans of the year are the collection of early Italian pictures lent by the Right Hon. A. H. Layard, Her Majesty's Minister at Madrid, and the copies of early Italian pictures lent by I. H. Wheelright, Esq. Both these collections are now displayed in the Exhibition galleries adjoining the Meyrick Collection of armour.

In the Loan Court will be found a collection of Castelli Majolica contributed by Monsieur Sambon; an interesting collection of Russian goldsmiths' work contributed by M. Akhotchinsky; and an extensive series of specimens of English pottery and porcelain contributed by F. S. Teesdale, Esq., and Charles Schrieber, Esq., M.P. A detailed list of the loans of the year will be found in the report of the Keeper of the Art Division. (*See* page 376.)

Appendix D.

REPORT BY MR. THOMPSON.

Designs for fans and Art students' prize works.

The designs for fans sent in competition for prizes offered by the Department to female students who attended the Art Schools in connexion with the Department of Science and Art were arranged in the east end of the Exhibition galleries, and at a subsequent period the annual Exhibition of the national prize works of the students throughout the country in connexion with the Department was held there.

All the gifts, loans, and purchases are exhibited to the public.

Educational Museum.

Educational Museum.

With the exception of a small additional room added to the reading room no change has been made in the arrangement of the Educational Museum. Many additions have been received, both of books and examples, the details of which will be found in the report of the Division Keeper at page 443.

Food and Animal Products.

Food, and Animal Products.

No alteration of importance has been made in these collections. In the present very restricted space it is not possible to exhibit more examples; and when new ones have been introduced, old specimens have been withdrawn in order to make room for them. The most important addition has been a collection, formed by Mr. Andrew Murray for the Department, of "Insects destructive to Food."

Museum of Economic Fish Culture.

Museum of Economic Fish Culture.

This collection has been much increased during the past year by Mr. Buckland. The rearing of salmon trout and other fish has been actively carried on, and with great success. The public has been much interested in these operations. No important alterations have been made in the arrangements, and like other portions of the Museum this Collection is very much overcrowded.

War Materials.

War Materials.

No great alteration has been made in the arrangement of the war materials, and, with the exception of a few additions of examples from Sir Joseph Whitworth and Capt. Scott, the collection remains in the same condition as mentioned in my last report.

Structural Collections.

Structure Museum.

Some important additions have been made to the machinery room; several fine models of engines and other examples have been received on loan. All the loans are exhibited to the public. A detailed statement will be found in the report of the Division Keeper of the Collection at page 452.

Naval Architecture.

Naval Architecture.

No alteration has been made in the general arrangement of the naval models. Many new examples have been received both from the Admiralty and from private sources, and are arranged in the respective classes. Four old State shallops and barges received from Deptford Dockyard being too large for exhibition in the Naval Gallery have been placed under the West Arcades adjoining the Horticultural Gardens.

RICHARD A. THOMPSON,
Museum Superintendent and Assistant-Director for Arrangement.

To the Director,
&c. &c.

Appendix D.

REPORT BY MR. OWEN.

3. REPORT of the MUSEUM SUPERINTENDENT and ASSISTANT DIRECTOR for GENERAL ADMINISTRATION.

SIR,

As Assistant Director for General Administration, I beg to report as follows:—

Increased number of visitors.

1. The visitors to the Museum for the year ending 31st December 1869 numbered 1,043,654, exceeding the number in any previous year, except that of the International Exhibition of 1862, when it was 1,241,369.

The table below shows the general attendance in the morning and evening respectively. The total number of visitors since the opening of the Museum in June 1857 reached in 1869, 9,056,818.

ATTENDANCE at the MUSEUM.

1869.	Free Days.		Students' Days.	Total.
	Morning.	Evening.		
January - -	68,010	25,340	10,371	103,721
February - -	45,975	22,230	8,034	76,239
March - -	75,864	25,239	8,094	109,197
April - - -	53,376	21,573	10,638	85,587
May - - -	65,395	27,545	7,399	100,339
June - - -	44,484	23,152	10,071	77,707
July - - -	58,203	23,023	11,111	92,337
August - -	74,413	25,333	7,081	106,827
September - -	44,118	23,999	9,239	77,356
October - -	40,662	23,907	8,939	73,508
November - -	34,665	17,686	6,918	59,269
December - - -	58,720	15,862	6,985	81,567
Totals -	663,885	274,889	104,880	1,043,654

Receipts repayable to Exchequer.

With reference to receipts in the Museum repayable to the Exchequer it will be found by the Return (*see* Appendix, page 457) that since June 1857 the admission fees have amounted to 18,220*l.* 12*s.* 10*d.*; the proceeds of the sale of periodical tickets of admission to the Museum and Libraries, 1,014*l.* 16*s.* 6*d.*; of catalogues, 2,698*l.* 8*s.* 1*d.*; of lecture tickets, 328*l.* 19*s.* 3*d.*; rent of refreshment rooms, 2,060*l.* 0*s.* 6½*d.*; rent of waiting rooms, 642*l.* 3*s.*; fees paid by private scientific societies for the use of the Museum, 436*l.* 6*s.* 3*d.*: making a total amount, which has been repaid to the Exchequer, of 25,401*l.* 6*s.* 5½*d.*

During the past year the collection of ancient armour belonging to Colonel Meyrick has been exhibited in the galleries overlooking the Horticultural Gardens, and has been visited by 172,708 persons included in the general return of the number of visitors.

Custodyship.

Police.

The detachment of the B division of Police, numbering 3 serjeants and 42 constables, has been as hitherto in charge of the Museum, and

acting in lieu of attendants, has in a satisfactory manner discharged the duties of custodyship. An experience of 12 years of the employment of any given number of Metropolitan police, paid for out of the vote granted by Parliament for the purposes of the Science and Art Department, has shown, among other advantages, that by such an arrangement the safe custody of the Museum is never liable to be impaired by absences, which would be inevitable were civilians employed in the performance of this duty.

Lectures.

Acoustic properties of lecture theatre.

During the past year the Lords of the Committee of Council on Education requested the following gentlemen to act as a committee to report on the acoustic properties of the new Lecture Theatre at the South Kensington Museum: — Sir Charles Wheatstone, Sir Michael Costa, Professor Tyndall, Mr. Bowley, Lieutenant-Colonel Scott, R.E., and Captain Donnelly, R.E., who also acted as Secretary.

In order to test the acoustic properties of the new building, on the 12th of May audible and visible demonstrations of the varieties of musical pitch were given under the direction of Professor Guthrie. On the 2nd June a trial of voices was directed by Mr. Arthur Sullivan, and on the 9th June a trial of musical intruments was directed by Mr. Ella.

The public were admitted to these trials.

Lectures.

Lectures have been delivered by Mr. Marshall "On the Human Form," and by Dr. Zerffi "On the Historical Development of Ornamental Art," specially addressed to Art students.

Permission was granted for a course of lectures "On the Elements of Physical Science," designed for the instruction of women in Science and Art, by Professors Huxley, Guthrie, and Oliver, and for lectures having for their purpose the higher education of women, by W. R. Kennedy, Esq., "On Ancient Greek History."

Inventories.

Inventories and labels.

Descriptive labels of all acquisitions for the Art Collections by purchase or by presentation during 1869 (amounting to 1,833 objects) were in print early in January, and have been already affixed as temporary labels to the objects.

During the past year the Art Inventory has been systematically arranged.

I. Alphabetically, as regards the names of the objects.

II. Chronologically, as regards the date assigned to the production of each object.

III. Geographically, as regards the country in which each object was manufactured.

IV. In classes, as regards the material of which each object is composed.

These classified catalogues will be found of great assistance in the consideration of works of Art submitted for purchase, and as dictionaries for Art objects will be of easy reference to students and Art workmen.

Catalogue of objects in Dyce bequest.

Respecting the valuable bequest by the late Reverend Alexander Dyce, upon the request of the executors, John Forster, Esq., and William Macpherson, Esq., a numerical list of every book and object in that collection, numbering in all 16,181, was made, and, I may add, was completed for press within a period of three weeks.

The catalogue of the Dyce bequest of books, numbering 13,596, is in hand, and will be issued to the public next year; another catalogue of the paintings, engravings, drawings, and miniatures, will be ready at the same time.

Appendix D.

REPORT BY MR. OWEN. Gifts and bequests.

GIFTS and BEQUESTS to the MUSEUM.

The following is an abstract of the principal gifts and bequests which have been made to the South Kensington Museum from its formation to the present time :—

In 1857. By John Sheepshanks, Esq., 233 oil paintings, 289 water colour paintings, etchings, and drawings. The approximate value of this gift at the time when it was made was 60,000*l.*; its present value is not less than 90,000*l.* (Gift.) Mr. Sheepshanks died in 1863.

In 1860. By Mrs. Elizabeth Ellison, 51 water colour paintings. (Acting in the spirit of the intention of her late husband Richard Ellison, Esq., of Sudbrooke Holme, Lincolnshire.) For the purpose of forming a National collection of water colour paintings. (Gift.) Approximate value, 5,000*l.*

In 1864. By Mrs. Duroure, 8 pictures. (Bequest.)

In 1865. By Rev. R. Brooke, 396 specimens, consisting of textiles, watches, rings, and other Art objects, together with 718 volumes of books. (Gift.)

In 1867. By Mrs. Wollaston, 270 drawings, &c. of Mosaics. (Gift.)

In 1867. By W. Minshull Bigg, Esq., the three following works in marble by Lough :—"Puck," "Titania," "The Melancholy Jacques." (Bequest.) Approximate value, 600*l.*

In 1867 and 1868. By Sir Charles Wentworth Dilke, Bart., M.P., 297 volumes, 862 pamphlets, and 155 prints, illustrating the Great Exhibition 1851; many unique. (Gift.) Sir Wentworth died in 1869.

In 1868. By Mrs. Louisa Plumley, 62 enamel paintings by Essex, Bone, and other artists. (Bequest.) Approximate value, 1,500*l.*

In 1868. By John Ella, Esq., 329 volumes of music, printed and in MS.; 6 busts, 1 oil painting (a portrait of Rossini). From the Library of the Musical Union Institute. (Gift.)

In 1868. By Rev. Chauncy Hare Townshend, 211 objects, chiefly jewels, 186 oil paintings, 177 water colour paintings, 4,218 Swiss coins, 831 volumes, 390 drawings, 1,815 prints. (Bequest.) Approximate value, 23,000*l.* (*See* pages 383 and 432.)

In 1869. By Rev. Alexander Dyce, 80 pictures, 63 miniatures, 802 drawings, 1,511 prints, 74 rings, 27 Art objects, 13,596 books. (Bequest.) Approximate value, 20,000*l.* (*See* page 32.)

CIRCULATION of MUSEUM OBJECTS to the Schools of Science and Art in the United Kingdom, and in aid of Exhibitions connected therewith.

Circulating collections.

The demands from the schools for specimens have been largely in excess of previous years. It may be well here to give the following table, showing the statistics relating to local exhibitions aided by the Department since 1854.

Number of Exhibitions aided	138
Number which have furnished returns of visitors	119
Number of visitors thus returned	3,073,096
Number of Exhibitions from which no return of visitors has been received	19
Number of Exhibitions which have furnished statement of receipts	68
Total amount stated by these to have been received	£74,327 11s. 9*d.*
Number stated to have been free	7
Number of Exhibitions at which a surplus is said to have remained after paying all expenses	32
Total amount of such surplus	£15,300
Number of Exhibitions from which no financial returns were received	63

Among the Exhibitions from which no returns have been received are the three great Exhibitions, of Manchester (1857), Dublin (1865), and Leeds (1868.)* Appendix D. REPORT BY MR. OWEN.

Visitors to the South Kensington Museum collections since 1854 - - - - - - - 9,351,836

The following lists of objects which have been lent during the past year will show that there has been an active demand for contributions from the Museum.

A. *Schools of Art.*

64 Schools have borrowed 368 oil paintings and water colour drawings for copying.

B. *Exhibitions.*

1,474 objects, and 4,025 paintings, photographs, &c., have been sent for exhibition to † 32 towns. Provincial exhibitions.

4 towns have made returns of receipts 13,260*l.* 2*s.* 8*d.*‡

5 towns have made returns of visitors (one exhibition being free)—Visitors, 328,182.

An abstract is here given of original objects selected for exhibition. Besides these, other objects are frequently selected as of especial interest to the particular industry of the neighbourhood in which an exhibition is organized. Books are also lent from the National Art Library to the Schools of Art.

LISTS of ORIGINAL OBJECTS selected for circulation from the South Kensington Museum, to Special Exhibitions, Annual Meetings, &c., in connection with Schools of Art. Objects selected for circulation.

I. ABSTRACT of LISTS of ORIGINAL OBJECTS selected from the South Kensington Museum for circulation.

	Specimens.
Division 1. Sculpture.—Works in marble, alabaster, stone, wood, ivory, bone, horn, shell, terra-cotta, wax, plaster, art bronzes -	136
Division 2. Glyptic and Numismatic Art.—Gem engravings, medals, plaques, seals. (*See* Electrotypes.) - - - -	67
Division 3. Mosaics, Marquetry, &c.—Works in marble, stone, wood, bone, straw, tortoiseshell, ivory, ebony, glass, mother-of-pearl, piqué - - - - - - - -	19
Division 4. Painting.—Wall decorations, oil, water colours, distemper, coloured wax - - - - - - -	22
Division 5. Japanned or Lacquered Work. — Indian, Chinese, Japanese, Persian, English, French - - - -	21
Division 6. Glass Painting.—Italian, Flemish, French, German, English - - - - - - - -	38
Division 7. Enamels on Metal. —Cloisonné, Champlevé, and painted. Roman, German, French, English, Indian, Chinese, Japanese, Persian, Modern French - - - - -	41

* Manchester, 1,336,715. Dublin, 932,622. The number at Leeds cannot be ascertained.

† Cheltenham, Darlington, Bolton, Frome, Birmingham, Sheffield, Torquay, Burslem, Wolverhampton, Leeds, Southampton (Bath and West of England Society), Dublin, Bangor, Bridport, Devonport, Callington, Llanelly, Bolton, Penzance, Leamington, Bristol, Basingstoke, Oxford, Burslem, Dublin, Sheffield, Manchester, Newcastle-upon-Tyne, Lincoln, Greenock, Bridport, Nottingham.

‡ Burslem, Wolverhampton, Southampton, and Devonport furnished returns of visitors and receipts; Birmingham, return of visitors, the admission being free.

Appendix D.

REPORT BY MR. OWEN.

Division 8. Pottery.—Earthenware.—Antique, Egyptian, Etruscan, Roman, Hispano-Moresco, Italian, Maiolica, Gubbio, Deruta, Faenza, Castel-Durante, Urbino, Siena, Paduan, Venetian, Neapolitan, Persian, Morocco, French, Palissy, Dutch, English.
Stoneware.—German, Dutch, Flemish, Saxon, English.
Porcelain.—Chinese, Japanese, Dresden, German, French, Sèvres, Italian, Dutch, Spanish, Portuguese, Swiss, Danish, Russian, English, Chelsea, Derby, Worcester - - - 350

Division 9. Glass Manufactories.—Roman, Venetian, German, French, English, Bohemian, Chinese - - - - 269

Division 10. Works in Metal.—Coffers, locks, bolts, keys, hinges, door-knockers, knives, forks, spoons, fire-dogs, candlesticks, chandeliers, snuffers, handles, vessels, ecclesiastical utensils, mounts, goldsmiths' work (ancient and modern), damascene, engraved, niello work - - - - - - 208

Division 11. Watch and clock work.—French, German, English, Italian - - - - - - - 3

Division 12.—Jewellery, Personal Ornaments, and Objects in Precious Materials.—Ancient. Mediæval: English, French, German, Roman, Italian, Spanish, Portuguese, Oriental, Modern: Irish, English, French, Italian, German, Roman, Indian - - 315
N.B.—A portion of the Italian peasant jewellery collected by Signor Castellani, and purchased from the Paris Exhibition 1867, is included in this division.

Division 13. Arms, Armour, and Accoutrements.—Oriental, Swiss, German, French, Italian, Spanish - - - - 1
This division is represented by electrotypes of objects from various museums and private collections. (*See* Electrotypes.)

Division 14. Furniture, Upholstery, &c.—Italian, German, Spanish, English, French, Flemish, Dutch - - - - 3

Division 15. Leather Work.—French, Italian, German, Flemish, Spanish, English - - - - - - 5

Division 16. Basket and other Work in Vegetable Fibre.—Indian, Japanese, Asiatic - - - - - - 7

Division 17. Textile Fabrics and Lace.—Ancient: Italian, French, German, English, Flemish, Spanish. Modern: Indian, Japanese, Chinese, English, Turkish, French, Irish - - - - 616

Division 18. Bookbinding and Book Decoration generally.—French, Italian, German, English, Modern French - - - 5

Total number of specimens - - - 2,126

Electrotype Reproductions.

II. A SELECTION of ELECTROTYPE REPRODUCTIONS of PLATE, ARMOUR, MEDALS, &c.—From Originals in the Museum of the Louvre, Paris, Windsor Castle, the Tower of London, South Kensington Museum, and other Public and Private Collections.

	Specimens.
1. Gold and silver plate - - - -	67
2. Bronzes and other metal work - - -	31
3. Damascene work - - - - -	22
4. Armour - - - - - -	60
5. Medals and medallions - - - -	298
6. Miscellaneous - - - - -	14
Total - - -	492

III. LISTS of OIL PAINTINGS, WATER COLOUR DRAWINGS, PHOTOGRAPHS, &c., selected for Circulation to Special Exhibitions, Annual Meetings, &c., in connexion with Schools of Science and Art.

	Number.
A Series of Oil Paintings selected chiefly from the Sheepshanks' Collection	73
A Series of Oil Paintings of the Flemish and Dutch Schools. Copies of Italian and English Pictures, &c., &c.	27
A Series of Water Colour Drawings	10
A Series of Drawings in Crayon, Sepia, Indian Ink, &c.	28
A Series of Original Drawings made for the Publications of the Arundel Society	37
Original Drawings for the "Grammar of Ornament," by Owen Jones	45
Original Cartoons for Glass Panels.—Swiss. School of Basle, 16th century	40
A Series of 44 Architectural Sketches in France, Italy, &c.—Made by the late Godfrey Sykes	44
Illustrations of the Stages of Instruction in Schools of Art, in 36 imperial frames	36
A Series of Original Etchings by Members of the Etching Club and other Artists	91
Engravings	29
Coloured Photographs of the Portraits of the Tudor Family	28
Coloured Photographs of Objects of Art, principally Enamels, Crystals, and Pottery	147
Photographs of Busts from the Antique in the British Museum	68
Photographs from Turner's "Liber Studiorum:" A series of original Drawings, by J. M. W. Turner, R.A. (Born 1775. Died 1851)	30
Photographs of Original Drawings by Old Masters	33
Photographs of Original Drawings by Raphael. (Born 1483. Died 1520)	86
Photographs of Original Drawings by Michael Angelo. (1474–1563)	20
Photographs from Raphael's Cartoons	33
Photographs of Objects in the South Kensington Museum.—Sculpture, Terra-cotta, and Bronze	71
Photographs of Objects in the South Kensington Museum.—Principally Furniture, Bronze, and Pottery)	64
A collection of Photographs presented to the South Kensington Museum by Henry Vaughan, Esq.	27
Total number	1,067

IV. LIST of OIL PAINTINGS selected for Circulation as Studies.*

(Detailed list, No. 671.)—43 Examples.

V. LIST of WATER COLOUR DRAWINGS, &c. selected for Circulation as Studies.

DIVISION I.—Figures, Animals, &c. (Detailed list, No. 672.) 18 Examples.

DIVISION II.—Flowers, Trees, Foliage, &c.—50 Examples.

DIVISION III.—Landscape, Architecture, &c.—159 Examples.

DIVISION IV.—Copies made from the Originals.—15 Examples.

Total - 285.

* For details of the distribution of objects set apart for circulation to Schools of Art, on Deposit Loan for lengthened periods, see Table A. (2) appended to this report.

Appendix D.

VI. Examples from the Educational Collections.

Report by Mr. Owen. Educational examples.

A Selection from the Series of Models, intended for Technical Instruction (exhibited at the late Paris Exhibition, and since purchased of the maker, J. Schroeder, of Darmstadt), illustrating Machinery, Mechanics, Architecture, principles of Construction, Brickwork, formation and erection of Furnaces, Geometry, Sections of Solids, &c., &c.

Total - 92 Examples.

Illustrations of the work done by the scholars in the Primary Schools established by Messrs. Schneider at their works at Creusot in the Department of Sâone and Loire, France. Shown at the Paris Exhibition of 1867, and afterwards presented to the Department of Science and Art by Messrs. Schneider.

VII. Illustrations of the Food Museum.

Food specimens.

These Illustrations comprise 13 upright glazed cases, containing the chemical analysis or composition of the following alimentary substances, with labels complete:—

Wheat, Bran from Wheat, Oats, Beans, Peas, Lentils, Rice, Potatoes, Carrots, Gooseberries, Grapes, Tobacco, Tea, Coffee, Cocoa, Milk (three kinds), *Beef, Mutton, Pork, Fish* (three kinds), four sorts of *Beer* brewed from Malt, and five different kinds of *Wine.*

Foreign Museums.

Information furnished to enquirers abroad.

During the past year several applications have been made from foreign countries for information respecting the organization of the Museum, as will be seen from the following abstract of correspondence;—

The Under Secretary of State for Foreign Affairs (to the Clerk of the Council) forwards copy of a letter from the French Ambassador at this court, asking for information respecting the organization of the Science and Art Department.

Enclosure in Mr. Otway's letter,—

Marquis de Lavalette to Lord Clarendon; Le Ministre des Beaux Arts has been informed that a Department of Sciences and Art (des Sciences et des Lettres) has been constituted in England since the Paris Exhibition. Asks for information, with documents, relative to this Department.

Accordingly a memorandum and abstract of documents were forwarded, in which the principal measures in connexion with the formation of the Art and other collections of the Science and Art Departments, now in the South Kensington Museum, were concisely related.

Monsieur Guichard, President, Union Centrale des Beaux Arts,—

Asks for a summary (histoire résumé) of the foundation and development of the South Kensington Museum. In reply, a memorandum on the formation of the Museum, together with other documents, was forwarded.

Mr. G. P. Putnam (on behalf of the Union League Club Art Committee, New York) paid a personal visit of inspection and asked for documents connected with the history of the Museum which were sent; Mr. Putnam subsequently wrote stating that these documents had been laid before the Committee in New York, who are striving to follow the lead of the South Kensington Museum.

Mr. Putnam sends report of preliminary meeting. An association, with board of management and responsible trustees, is being organized. Asks for more documents which would be practically useful in the formation of an institution similar to that at South Kensington.

Enclosure to foregoing letter,—

"Proceedings of a meeting, held in New York, 23rd Nov. 1869, relative to the formation of a Metropolitan Art Museum in that city. At this meeting distinct reference was made by many of the speakers to the South Kensington Museum as a model for imitation.

Mr. Robert Hoe, jun., New York, writes as a member of a committee for establishing an Art Museum in New York on the model of the South Kensington Museum. This committee proposes that,

Works of Art be purchased and exhibited *first*, and that

Library and Schools of Art should come afterwards.

The Committee have some of the documents published by the Science and Art Department, for the South Kensington Museum, and they have requested to be furnished with more detailed particulars. Further information was accordingly sent.

In addition to the foregoing, enquiries relative to the organization of the Museum have been received from Mr. Perkis, Massachusetts, and Mr. Sturgis, of Boston, to both of whom full information has been communicated.

EXCHANGE of OBJECTS and BOOKS with FOREIGN GOVERNMENTS.

Upon the terms of the Convention signed in Paris in 1867, and after the subsequent correspondence by which official action was taken by this Department (see page 24, Appendix A., of the 15th Annual Report of the Science and Art Department), the following works have been received from Foreign Governments, and have been deposited in the various divisions of the Museum.

Interchange of objects and books with foreign governments.

COUNTRY.	Objects and Books Received.	Objects and Books Issued.
ARGENTINE REPUBLIC.	Epitome of a Report on Education.	Official Reports and other volumes relating to education.
AUSTRIA - -	Catalogue of books used in State schools of the Empire. 2 official periodical publications, supplied as they appear. 21 mounted photographs of reproductions of Art objects in the Imperial Museum, Vienna. 1 book of designs, published by the Imperial Museum at Vienna.	1868. 20 photographs of the Porta della Gloria of Santiago de Compostella in Spain. „ 20 photographs of the sculptured decorations of the monastery of Batalha. „ 20 photographs of ecclesiastical metal work of the middle ages, in the South Kensington Museum. „ 12 photographs of Italian jewellery as worn by the peasants of Italy. „ 20 photographs of Henri Deux Ware. „ Part I. Chromolithographs of the principal objects of Art in the South Kensington Museum. 1869. Part II. Do. do. „ Parts I. and II. Etchings of Art objects in the South Kensington Museum. Official Reports and other volumes relating to education.

COUNTRY.	Objects and Books Received.	Objects and Books issued.
BADEN - -	Collection of 32 official papers.	Official Reports and other volumes relating to education.
BAVARIA - -	5 official papers.	Official Reports and other volumes relating to education.
BELGIUM - -	Report on Education - List of books used in Government schools. Collection of 46 photographs of paintings in the Musée Wiertz. 5 engravings, and 12 lithographs after paintings.	Official Reports and other volumes relating to education.
BRAZIL - -	5 official papers, and MS. account of public education in the Empire.	Official Reports and other volumes relating to education.
FRANCE - -	1869. The complete series of 4,854 engravings published by the Louvre.	1867. Plaster cast of the pulpit from the cathedral at Pisa. „ Plaster cast of the monument of Filippo Decio. „ Plaster cast of the Apostles and Elders, from the Porta della Gloria of the cathedral of Santiago in Spain. „ Plaster cast of a Scandinavian cross, and portion of the shaft of another. „ Arcade from the central window of the New Lecture Theatre at the South Kensington Museum. One bay of the New Buildings at South Kensington. Three radiating cases. 1869. Parts I. and II. Chromolithographs of the principal objects of Art in the South Kensington Museum. Parts I. and II. Etchings of objects of Art in the South Kensington Museum. 20 photographs of the Porta della Gloria of Santiago de Compostella in Spain. 20 photographs of ecclesiastical metal work of the middle ages, in the South Kensington Museum. 12 photographs of Italian jewellery, as worn by the peasants of Italy. 20 photographs of decorative plate, in the South Kensington Museum. Catalogue of Italian sculpture.

COUNTRY.	Objects and Books Received.	Objects and Books Issued.
FRANCE—*cont.*	- - - -	Catalogue of reproductions of works of art. The above collection was presented to the Ecole Centrale d'Architecture. A similar collection of works was transmitted to the Union Centrale des Beaux Arts.
INDIA: Begum of Bhopal.	- - - -	Electrotypes—Writing tablets from Augsburg. „ Venetian ewer, gilt. „ Venetian salver, gilt. „ Italian head-piece. „ Shield. „ Mesopotamian box. Parts I. and II. Chromolithographs of the principal objects in the South Kensington Museum. Robinson's Treasury of Art.
ITALY - -	34 volumes and pamphlets published by the Government relating to educational and other subjects. 1867. 2 casts of processional crosses, 16th century, from the church of Mongiovuco, Perugia. Cast of a tabernacle from Perugia.	Cast of a frieze from the ruined Temple of Saitron, near Rajpootana. Official Reports and other volumes relating to education. A collection of drawing examples, published by authority of the Department, was made and presented to the Italian ambassador for the use of his Government.
NETHERLANDS -	Official Report on Education. Particulars relating to educational periodicals. Parts 1–8, Van der Kellen Le Moyen Age.	
PAPAL STATES -	Copy of Papal decree on education. List of books in use in schools.	
PERSIA - -	Particulars relating to educational publications in Persia.	
PORTUGAL - -	104 books and pamphlets relating to education in military and other schools in Portugal.	Official Reports and other volumes relating to education.
PRUSSIA - -	5 volumes of official returns on education. A vase, cream coloured, with handles in the form of sphinxes. A vase, light brown, with green handles, painted with two medallions.	1867. Gilt tankard and cover. Silver oxydised plateau. „ „ head-piece. Fictile ivory hunting horn. Bronze bell. Parcel gilt tankard. Gilt oviform ewer. Gilt cup and cover. Gilt salver.

Appendix D.

REPORT BY MR. OWEN.

COUNTRY.	Objects and Books Received.	Objects and Books Issued.
PRUSSIA—*cont.*		1869. Parts I. and II. Chromolithographs of Art objects in the South Kensington Museum. Parts I. and II. Etchings of objects of Art in the South Kensington Museum. 20 photographs of the Porta della Gloria of Santiago, Spain. 12 photographs of Italian jewellery, as worn by the peasants of Italy. 20 photographs of ecclesiastical metal work of the middle ages, in the South Kensington Museum. 20 photographs of the decorative plate in the South Kensington Museum. Catalogue of Italian sculpture of the middle ages. Catalogue of reproductions of objects of Art. Official Reports and other volumes relating to education.
RUSSIA	76 volumes and pamphlets relating to various Government Educational Institutions in Russia. 1867. Plaster cast of a folding panagie. The original in enamel belongs to the monastery of Simonow. „ Plaster cast of a navette. The original in silver belongs to the monastery of Novospasky. „ Plaster cast of a chasse in silver. From the cathedral of the Assumption at Moscow. Another, do. do. „ Plaster cast of a ciborium. The original in enamel belongs to the cathedral of Novospasky. „ 3 volumes, Photographies des miniatures des manuscrits Grecs. „ Photographs of Russian antiquities.	1 silver oxydised cup. 1 „ „ book cover. 1 „ „ „ A collection of fictile ivories, by the Arundel Society and others. Official Reports and documents and other volumes relating to education.

COUNTRY.	Objects and Books Received.	Objects and Books Issued.
SAXONY - -	14 volumes and pamphlets relating to education in the kingdom.	Official Reports and other volumes relating to education.
SWEDEN AND NORWAY.	26 volumes of text books 40 pamphlets relating to education. Several models, &c., used in Government schools. 6 engravings of the funeral ceremonies in honour of Queen Ulrich, from the Royal Library, Stockholm.	Official Reports and other volumes relating to education.
SWITZERLAND -	16 pamphlets relating to educational institutions in the various Cantons.	Official Reports and other volumes relating to education.
TURKEY - -	30 text books, printed in Turkish characters, for use in public schools.	Official Reports and other volumes relating to education. A selection from the publications of the Department, including examples of art, examination papers, &c., furnished for the use of the Turkish Board of Education at the request of the Secretary of the Turkish Embassy.
UNITED STATES -	36 volumes of Reports on education in the various States of the Union.	Official Reports and other volumes relating to education.
WURTEMBURG -	38 pamphlets, chiefly numbers of Official Journals containing educational decrees.	Official Reports and other volumes relating to education.

PUBLICATION, by the ARUNDEL SOCIETY, of Photographs and other Works of Art produced for the Science and Art Department. Arundel Society's publications.

(*Vide* Sixteenth Report, page 301, and the Reports of previous years.)

The arrangement with the Arundel Society for the publication of photographs continues to work satisfactorily; but, owing to the absence of any new productions of special value, the amount of sales has not been so large as in former years.

In accordance with their Lordships' Minute of 29th Jan. 1868, authorizing the publication of photographs which are likely to be useful to Art students, the following works have been issued and distributed on deposit loan among the most important Schools of Art.

I. COLLEGE AND CORPORATION PLATE, chiefly English.—Twenty photographs of silver-gilt cups, ewers, vases, hanaps, goblets, tankards, &c., from the Universities of Oxford and Cambridge, the Halls of the London Companies, the Corporation plate of Cities, and private collections. With descriptions.

Appendix D.

REPORT BY MR. OWEN.

II. ITALIAN SCULPTURE.—A series of 20 photographs of the works of Lorenzo Ghiberti, Jacopa della Quercia, Antonio Rosellino, Donatello, Luca della Robbia, and other Italian sculptors. From the originals in the South Kensington Museum. With descriptions.

III. DESIGNS FOR GOLDSMITHS AND JEWELLERS. By Hans Holbein.—A series of 19 photographs of designs for goldsmiths and jewellers; taken from the original drawings by Hans Holbein, contained in a volume bequeathed to the BRITISH MUSEUM by Sir Hans Sloane: and one photograph of a design for a chimney piece. With descriptions.

IV. MUSICAL INSTRUMENTS.—A series of 20 photographs: one plate of Egyptian and Nubian instruments; one of Caucasian and Persian; one of Turkish; one Roumanian; and 16 of those of European countries; chiefly belonging to the South Kensington Museum. With descriptions by Carl Engel.

V. DECORATIVE PLATE. Chiefly Italian, German, and Portuguese.—Twenty photographs of salvers, plateaux, rosewater dishes, ewers, &c., from the Museum of the Louvre, Paris; the Royal Palaces of the Necessidades and the Ajuda at Lisbon; the South Kensington Museum, &c. With descriptions.

VI. ARCADES IN ROME OF THE RENAISSANCE PERIOD.—A series of 20 plates executed by order of H.M. Commissioners for the Exhibition of 1851. With descriptions.

VII. ROMAN FOUNTAINS AND GARDENS.—A series of 16 plates executed by order of H.M. Commissioners for the Exhibition of 1851. With descriptions.

VIII. THE CLOISTERS OF MONREALE.—A series of 30 photographs of the sculptured capitals and clustered columns surrounding the Cloisters of Monreale, erected by William the Good. With description.

IX. ILLUSTRATIONS OF VARIOUS STYLES OF INDIAN ARCHITECTURE.—A series of 16 photographs; illustrating Buddhist, Hindu, and other kinds of Indian architecture. With a lecture on the subject, by James Fergusson, F.R.S.

A third series, consisting of four CHROMOLITHOGRAPHS of the PRINCIPAL OBJECTS of ART in the SOUTH KENSINGTON MUSEUM, has been prepared from paintings made specially for this purpose by Art students. They have been circulated among the Schools of Art, and are likewise published by the Arundel Society. This third series comprises:—

An Ivory Triptych. Venetian workmanship; of the 15th cent.
A Plaque of Limoges Enamel. Of the 16th cent.
An Ivory Coffret. Byzantine work; of the 12th cent.
An Agate Goblet, mounted in silver. English; of the 16th cent.

A series of larger CHROMOLITHOGRAPHS of more important works of Art, including the SOLTIKOFF CHASSE, the GLOUCESTER CANDLESTICK, &c., is in course of preparation.

The third and fourth series of ETCHINGS of OBJECTS of ART in the SOUTH KENSINGTON MUSEUM made by students of the Etching Class, under the direction of Mr. Richard Lane, A.E.R.A., have been issued; and a fifth series devoted entirely to JEWELLERY is now nearly ready.

Catalogues.

A Catalogue of Works illustrative of Decorative Art, published under the direction of the Science and Art Department, has been printed for public use.

The following DIVISIONAL CATALOGUES have likewise been prepared, and are now ready for sale to the public at the publisher's and at the Catalogue Stall in the Museum.

I. TEXTILE FABRICS.—A Descriptive Catalogue of the Collection of Church Vestments, Dresses, Silk Stuffs, Needlework, and Tapestries; forming that Section of the Museum; with an Introduction by the Very Rev. Daniel Rock, D.D. A series of Illustrations of these examples of textile work, in Chromolithography, accompanies this volume.

II. Musical Instruments.—A Descriptive Catalogue of the Collection of Musical Instruments of various countries; forming that section of the South Kensington Museum. By Carl Engel. With Illustrations.

III. Gems and precious Stones.—A Descriptive Catalogue of Gems, precious Stones, and Pearls; bequeathed to the South Kensington Museum by the late Rev. Chauncy Hare Townshend, M.A. By James Tennant, F.G.S., Professor of Mineralogy, King's College, London.

(Signed) P. C. Owen,
Museum Superintendent and Assistant Director for Administration.

21st February 1870.

APPENDIX TO MR. OWEN'S REPORT.

(A). Circulation to Schools of Art on Deposit Loan.

In accordance with the Minute the following Publications have been prepared specially for distribution on Deposit Loan to Schools of Art. Extract of "Copy of Board "Minute, 29th January 1868:—My Lords determine that the principle of circulation shall be extended to the deposit on loan in Schools of Art, for lengthened "periods, of Art objects not required for exhibition in the Central Museum, of reproductions, such as Electrotypes, Etchings, Photographs, &c., of examples pre- "pared either by the Department or through the usual channels of trade, or of Books of reference. The period for which examples may be deposited in the Schools "will be determined by the nature of the object and the circumstances of particular Schools. The Local Committee will be responsible for the preservation of all "articles lent, consideration being had for such deterioration as may arise from fair use for purposes of study." In addition to the examples specified below, Nos. 15, 16, 17, 20, and 26, have been acquired, and also sent on deposit loan.

(1). List of Publications, &c.

1. Chromolithographs of four of the principal objects of Art in the South Kensington Museum. Part I.
2. Chromolithographs of four of the principal objects of Art in the South Kensington Museum. Part II.
3. Fifty etchings of objects of Art in the South Kensington Museum done by students in training as Art teachers. First series.
4. Fifty etchings of objects of Art in the South Kensington Museum done by students in training as Art teachers. Second series.
5. Twelve photographs of Italian jewellery. Purchased for the South Kensington Museum, from the Paris Universal Exhibition of 1867.
6. Twenty photographs of the sculptured decorations of the monastery of Batalha in Portugal.
7. Twenty photographs of ecclesiastical metal work of the middle ages, from the original works in the South Kensington Museum, and private collections.
8. Twenty photographs of Henri Deux ware, from the original works in the South Kensington Museum, and private collections.
9. Twenty photographs of the Portico della Gloria of the cathedral of Santiago de Compostella, in Spain.
10. Thirteen photographs of terra-cotta columns designed for the South Kensington Museum, by the late Godfrey Sykes.
11. Six photographs of the interior of the Art Training Schools at South Kensington.
12. Seventy-seven photographs of the galleries and bays of the National Portrait Exhibition, 1866.
13. Original drawings of life studies by the late W. Mulready, R.A., belonging to the South Kensington Museum, in imperial and other frames.
14. French crayon drawings of life studies belonging to the South Kensington Museum, in imperial frames.
15. Sixty French mechanical studies by S. Petit. Mounted.
16. Seventeen plates Cours de Dessin by C. de Bargue; and twenty plates Cours Préparatoire de Dessin, by Jullien. Mounted.
17. Two copies of the plates of Professor Westwood's Anglo-Saxon and Irish MSS. Bound.
18. Fifty etchings of objects of Art in the South Kensington Museum, done by students in training as Art teachers. Third series.
19. Fifty etchings of objects of Art in the South Kensington Museum, done by students in training as Art teachers. Fourth series.
20. Two electrotype reproductions of dishes. Nos. 54'21 and 57'21.
21. Twenty photographs of the Treasure of Petrossa and other goldsmiths work, from Roumania.
22. One copy each of catalogues of National Portrait Exhibitions in the years 1866, 1867, and 1868. Large paper.
23. Twenty photographs of decorative plate, chiefly Portuguese, German, and Italian.
24. Twenty photographs of Holbein's designs for goldsmiths and jewellers.
25. Fifteen photographs of Indian architecture.
26. One bound copy of Owen Jones' Grammar of Ornament.
27. Twenty photographs of musical instruments in the South Kensington Museum, with description by Carl Engel.
28. A Descriptive Catalogue of Textile Fabrics in the South Kensington Museum, by the Rev. Dr. Rock.
29. One copy of the Universal Catalogue of Books on Art. Volume I. Letters A—K.

Appendix D.

REPORT BY MR. OWEN.

(2.) TABLE showing in DETAIL the DISTRIBUTION of the PUBLICATIONS prepared for CIRCULATION on DEPOSIT LOAN to the respective SCHOOLS of ART.

SCHOOLS.	1. Chromolithographs of Objects of Art. Part I.	2. Chromolithographs of Objects of Art. Part II.	3. Etchings of Objects of Art. First Series.	4. Etchings of Objects of Art. Second Series.	5. Photographs of Italian Jewellery.	6. Photographs of Batalha.	7. Photographs of Ecclesiastical Metal Work.	8. Photographs of Henri Deux Ware.	9. Photographs of Santiago de Compostella.	10. Photographs of Terracotta Columns.	11. Photographs of Interior of Art Schools.	12. Photographs of the Galleries and Bays National Portrait Exhibition, 1866.	13. Mulready Life Studies.	14. French Crayon Drawings. Life Studies.	15. Mechanical Studies by S. Petit.	16. Lithograph Studies by De Bargue and Jullien.	17. Westwood's Anglo-Saxon and Irish MSS.	18. Etchings of Objects of Art. Third Series.	19. Etchings of Objects of Art. Fourth Series.	20. Electrotypes.	21. Photographs of Treasure of Petrossa.	22. Catalogues of National Portrait Exhibition.	23. Photographs of Decorative Plate.	24. Photographs of Holbein's Designs.	25. Photographs of Indian Architecture.	26. Owen Jones' Grammar of Ornament.	27. Photographs of Musical Instruments.	28. Dr. Rock's Catalogue of Textile Fabrics.	29. Universal Catalogue of Art Books. Vol. I.	Total.
Aberdeen	1	1	—	—	1	—	1	1	—	1	—	—	—	—	1	1	—	—	—	—	—	3	—	—	—	—	—	1	1	13
Andover	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	3	—	—	—	—	—	—	—	5
Bath	—	—	1	1	—	—	—	—	1	1	—	—	1	—	1	1	—	1	1	—	1	3	1	1	—	—	1	1	1	18
Birkenhead	1	1	1	1	1	1	1	1	—	1	1	—	—	—	1	1	—	1	1	—	1	3	1	—	—	—	—	1	1	21
Birmingham	1	1	1	1	1	1	1	1	1	1	1	—	3	1	1	1	1	1	1	—	1	3	1	1	1	—	1	1	1	30
Boston	—	—	—	—	—	—	—	—	—	1	—	—	—	—	1	1	—	—	—	—	—	3	—	—	—	—	—	1	1	8
Bradford	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	3	—	1	—	—	—	1	1	8
Bridgewater	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	3
Bridport	—	—	—	—	—	—	—	—	—	1	—	—	—	—	1	1	—	—	—	—	—	3	—	—	—	1	—	—	1	8
Brighton	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	3	—	—	—	—	—	—	1	6
Bristol	1	1	1	1	1	1	1	1	1	1	1	—	1	—	1	1	—	1	1	—	1	3	1	1	1	—	1	1	1	26
Bromsgrove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	3	—	—	—	—	—	—	1	6
Burslem	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	1	1	1	5
Cambridge	1	1	1	1	1	1	1	1	1	1	1	—	—	—	1	1	—	1	1	2	1	3	1	1	1	—	—	1	1	26
Cardiff	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	3	—	—	—	—	—	—	1	6
Carlisle	—	—	—	—	—	—	—	—	—	1	—	—	—	—	1	1	—	—	—	—	—	3	—	—	—	—	—	1	1	8
Carmarthen	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	1	3

Appendix D.

REPORT BY MR. OWEN.

Circulation to Schools of Art on Deposit Loan—*continued.*

Schools.	1. Chromolithographs of Objects of Art. Part I.	2. Chromolithographs of Objects of Art. Part II.	3. Etchings of Objects of Art. First Series.	4. Etchings of Objects of Art. Second Series.	5. Photographs of Italian Jewellery.	6. Photographs of Hatatha.	7. Photographs of Ecclesiastical Metal Work.	8. Photographs of Henri Deux Ware.	9. Photographs of Santiago de Compostella.	10. Photographs of Terracotta Columns.	11. Photographs of Interior of Art Schools.	12. Photographs of the Galleries and Bays National Portrait Exhibition, 1866.	13. Mulready Life Studies.	14. French Crayon Drawings. Life Studies.	15. Mechanical Studies by S. Petit.	16. Lithograph Studies by De Barque and Jullien.	17. Westwood's Anglo-Saxon and Irish MSS.	18. Etchings of Objects of Art. Third Series.	19. Etchings of Objects of Art. Fourth Series.	20. Electrotypes.	21. Photographs of Treasure of Petrossa.	22. Catalogues of National Portrait Exhibition.	23. Photographs of Decorative Plate.	24. Photographs of Holbein's Designs.	25. Photographs of Indian Architecture.	26. Owen Jones' Grammar of Ornament.	27. Photographs of Musical Instruments.	28. Dr. Rock's Catalogue of Textile Fabrics.	29. Universal Catalogue of Art Books. Vol. I.	Total.
Carnarvon																														6
Cheltenham										1						1							1						1	8
Chester										1						1							1						1	7
Chippenham																1							1						1	6
Cirencester					1											1							1					1	1	8
Clonmel							1				1					1							1						1	5
Coalbrookdale	1	1	1	1	1	1	1	1	1	1	1					1		1	1		1		1	1			1	1	1	23
Cork	1	1	1	1	1	1	1	1	1	1	1	1	2			1	1	1	1	1	1		1	1	1	1	1	1	1	20
Coventry	1	1	1	1	1	1	1	1	1	1	1	1	4			1	1	1	1	1	1		1	1	1	1	1	1	1	30
Croydon																1							1						1	6
Darlington	1	1	1	1	1	1	1	1	1	1	1					1	1	1	1	1	1		1	1	1	1	1	1	1	21
Derizes										1						1							1						1	6
Devonport							1								1	1							1						1	7
Dorchester															1	1							1						1	6
Dublin	1	1	1	1	1	1	1	1	1	1	1		4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30
" Queen's Inst.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

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Appendix D.

REPORT BY MR. OWEN.

Circulation to Schools of Art on Deposit Loan—*continued.*

Schools.	1. Chromolithographs of Objects of Art. Part I.	2. Chromolithographs of Objects of Art. Part II.	3. Etchings of Objects of Art. First Series.	4. Etchings of Objects of Art. Second Series.	5. Photographs of Italian Jewellery.	6. Photographs of Batalha.	7. Photographs of Ecclesiastical Metal Work.	8. Photographs of Henri Doux Ware.	9. Photographs of Santiago de Compostella.	10. Photographs of Terracotta Columns.	11. Photographs of Interior of Art Schools.	12. Photographs of the Galleries and Bays National Portrait Exhibition, 1866.	13. Mulready Life Studies.	14. French Crayon Drawings. Life Studies.	15. Mechanical Studies by S. Petit.	16. Lithograph Studies by De Barque and Jullien.	17. Westwood's Anglo-Saxon and Irish MSS.	18. Etchings of Objects of Art. Third Series.	19. Etchings of Objects of Art. Fourth Series.	20. Electrotypes.	21. Photographs of Treasure of Petrossa.	22. Catalogues of National Portrait Exhibition.	23. Photographs of Decorative Plate.	24. Photographs of Holbein's Designs.	25. Photographs of Indian Architecture.	26. Owen Jones' Grammar of Ornament.	27. Photographs of Musical Instruments.	28. Dr. Rock's Catalogue of Textile Fabrics.	29. Universal Catalogue of Art Books. Vol. I.	Total.
Liverpool: North Dist.	1	1	1	1	1	1	1	1	1	1	1		3		1	1		1													15
South "	1	1	1	1	1	1	1	1	1	1	1		3	1	1	1		1														28
Llanelly																															2
Macclesfield	1	1	1	1			1	1	1	1	1				1	1		1													21
Manchester: Royal Inst.	1	1	1	1	1	1	1	1	1	1	1		3		1	1		1		1		3									20
Gram. Sch.																															1
Metropolitan: Bloomsbury	1	1	1	1	1	1	1	1	1	1	1		4			1		1		1		3		1		1	1	1			20
Lambeth	1	1	1	1	1	1	1	1	1	1	1		2		1	1		1		1		3		1		1	1	1			27
St. Martin's	1	1	1	1	1	1	1	1	1	1	1				1	1		1		1		3		1		1	1	1			20
St. Thomas' Charterhouse																						3									6
West London	1	1	1	1	1	1	1	1	1	1	1				1	1		1		1	1	3		1		1	1	1			22
North London																															1
Spitalfields																1															3
Rotherhithe															1	1															2

	1	1	5	6	25	14	20	20	24	7	6	17	6	19	31	13	8	6	29	12	7	4	6	17
St. George's-in-the-East.	—	—	—	—	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Westminster	—	—	—	—	1	1	1	—	1	—	—	1	—	1	1	1	1	—	1	1	1	—	1	1
South Kensington.	—	—	—	—	—	1	—	1	—	—	1	—	—	1	1	—	—	—	—	—	—	—	—	—
Newcastle-under-Lyme.	—	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Newcastle-upon-Tyne.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	—	1	1
Norwich	—	—	2	—	—	—	—	—	—	—	—	—	—	—	4	—	—	—	3	—	—	—	—	—
Nottingham	—	—	—	—	—	—	1	—	—	—	—	—	—	—	1	—	—	—	1	—	—	—	—	—
Oxford	—	—	—	—	1	1	1	1	1	1	1	1	—	1	1	1	1	1	1	—	—	—	—	1
Paisley	—	—	—	—	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Penzance	—	—	—	—	—	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Perth	—	—	—	—	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	—	1	1
Preston	—	—	—	—	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Reading	—	—	—	—	—	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Salisbury	—	—	—	—	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Sheffield	—	—	—	—	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Shrewsbury	—	—	—	—	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Southampton	—	—	—	—	—	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Stirling	—	—	—	—	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Stoke-upon-Trent.	—	—	—	—	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Stourbridge	—	—	—	—	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Stroud	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sunderland	—	—	—	—	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Swansea	—	—	—	—	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Taunton	—	—	—	—	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Appendix D.

REPORT BY MR. OWEN.

Circulation to Schools of Art on Deposit Loan—*continued.*

Schools.	1. Chromolithographs of Objects of Art. Part I.	2. Chromolithographs of Objects of Art. Part II.	3. Etchings of Objects of Art. First Series.	4. Etchings of Objects of Art. Second Series.	5. Photographs of Italian Jewellery.	6. Photographs of Bataille.	7. Photographs of Ecclesiastical Metal Work.	8. Photographs of Henri Deux Ware.	9. Photographs of Santiago de Compostella.	10. Photographs of Terracotta Columns.	11. Photographs of Interior of Art Schools.	12. Photographs of the Galleries and Bays National Portrait Exhibition, 1866.	13. Mutready Life Studies.	14. French Crayon Drawings. Life Studies.	15. Mechanical Studies by S. Petit.	16. Lithograph Studies by De Barque and Jullion.	17. Westwood's Anglo-Saxon and Irish MSS.	18. Etchings of Objects of Art. Third Series.	19. Etchings of Objects of Art. Fourth Series.	20. Electrotypes.	21. Photographs of Treasure of Petrossa.	22. Catalogues of National Portrait Exhibition.	23. Photographs of Decorative Plate.	24. Photographs of Holbein's Designs.	25. Photographs of Indian Architecture.	26. Owen Jones' Grammar of Ornament.	27. Photographs of Musical Instruments.	28. Dr. Rock's Catalogue of Textile Fabrics.	29. Universal Catalogue of Art Books. Vol. I.	Total.
Tavistock															1																1
Torquay															1	1														1	6
Trowbridge			*												1	1														1	6
Truro															1	1														1	6
Wakefield															1	1														1	7
Warminster															1	1															2
Warrington	1	1	1	1	1	1	1	1	1	1	1		2		1			1	1			1	3		1	1				1	20
Waterford	1	1	1	1	1	1	1	1	1	1	1		1		1	1		1	1			1	3		1				1	1	15
Weston-super-Mare.															1	1							3		1					1	6
Wolverhampton.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	22
Worcester	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	26
Yarmouth	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	12
York	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	25
Total	49	48	44	42	40	30	44	35	35	43	43	6	62	10	97	98	2	42	42	2	34	270	35	35	25	1	25	65	99	1,408		

4. Report of the Museum Superintendent and Assistant Director for Works.

Appendix D.

Report by Capt. Festing.

During the past summer the building for the extension of the offices, having been completed for a sufficient length of time to ensure its habitability, was taken into occupation. The accommodation so obtained rendered possible the removal from part of the cloisters of the South Court, where they were temporarily located, some of the mounters working in the Stores Branch. It also gave room on the ground floor for several of the Stores clerks, who had previously been working in the basement story for want of space above. There are now very few men continuously employed in the basement. More space was gained too for the other clerical work of the Department, which was suffering much from want of it.

Extension of the offices.

The removal of the casts, &c., belonging to the Architectural Museum, which had been here on exhibition for many years, was undertaken this summer, the new building in Westminster being completed. The Department, in consideration of its having for so long had the use of them, consented to remove and fix them in their new places. This involved a considerable amount of work, as about 4,000 pieces had to be removed and fixed up. It was, however, all accomplished within eight weeks, and I understand that no serious damage was done to any of the specimens in the operation.

Removal of property of Architectural Museum.

The work of extending the South Court having been commenced in the autumn, it became necessary to make certain openings in the temporary wall across the south end of the court in order that the new work might be connected with the old. Necessarily before the work is completed the whole wall must be pulled down. It was therefore considered advisable at once to erect a screen composed of timber and boards, covered with canvass and paper, across the court, about three feet inside the wall, so that when the openings were cut the cold air and dust might not get into the Museum, and that when the new part of the court should be sufficiently advanced the temporary wall might be removed without any inconvenience to the Museum. By working late at night and early in the morning, this screen, which is 114 feet wide and 50 feet high, was completed in three weeks, without interfering in any way with the comfort and convenience of the visitors, or necessitating any alteration in the hours of opening the Museum, and without any damage being done. It appears to answer its purpose very efficiently; and the new part of the court will soon be so far advanced as to allow of the removal of the temporary wall.

Extension of the South Court.

No addition has been made during the year to the space devoted to Museum purposes, with the exception of the small portion mentioned above as having been occupied for work of the Stores Branch. But a portion of the building situate on the west side of Exhibition Road, which has been temporarily occupied by this Department, was at the end of the year relinquished to the Office of Works for the accommodation of the National Portrait Gallery.

Relinquishing a gallery to Office of Works for National Portrait Gallery.

The altered arrangements for the water supply to the Museum alluded to in my former reports have continued to answer well. We have always a good pressure from the company's mains; but the experience of the past year shows, I think, that some better description of meter is much wanted. That which we have at present in use, and which is, I believe, generally considered to be the most trustworthy, is Siemen's;

Water supply.

Defective meters.

Appendix D.

REPORT BY CAPT. FESTING.

but it is not always to be relied on. One great defect which it has is that it allows water to run back through it; and, as we are supplied from four points in the company's mains, if the pressure is not the same at all these points, there will be a tendency to run back where the pressure is weakest; and I have found that self-acting valves are not altogether to be depended on for preventing this. I have lately seen a specimen of a new form of meter, invented by a Mr. Cook, and now the property of a limited liability company. I have seen this meter at work, and have examined its construction; and from what I have seen I think there is every prospect of its being a perfect instrument. It appears impossible for water to run back through it, and it is evidently a much more delicate instrument than Siemen's. At my last visit to the company's office I was promised one for trial; and if by further experiments I find it to be so good as it promises to be, I shall recommend that it be adopted universally here. Its cost will be small compared to Siemen's, and it does not appear at all liable to get out of order.

Gas supply.

The gas supply during the year has been good. I have sometimes found it rather below the proper standard of illuminating power, but only slightly so; and I have no reason to suppose that it is below its usual (comparatively to that of other companies) high standard of purity. I still think, however, that there is room for considerable improvement in the standard both of illuminating power and purity; but I fear this will not be obtained under the laws by which the gas supply of the metropolis is at present regulated. The total amount consumed during the year has been 16,368,100 cubic feet.

Improvements in methods of lighting.

Outside lamps.

The Museum not having been extended, no extension has been made during the year to the gas lighting; but improvements in the method of lighting certain portions are in progress. For instance, an experiment has been made of lighting one end of the Keramic Gallery by lamps fixed outside the windows; and this has been on the whole successful. The light obtained by this means, though not so bright perhaps as that of the sun-lights, is well adapted for the display of most of the objects in the gallery. On very squally nights, with the wind in certain quarters, the light has been considerably interfered with by the gusts of wind; but this has been almost entirely obviated by improving the form of chimney. Similar outside lamps are now being fitted up at the other end of the gallery; and it is intended there to try Sugg's new argand burner as soon as experiments have determined what size it should be.

These lamps are made of "japanned" metal, which has considerable reflective and diffusive power, and is easily kept clean. I have made a few experiments to ascertain the best material for these reflecting lamps. A polished silver surface, of course, has the greatest reflective power, but it is expensive, and involves a great deal of labour in being kept clean. Bright tin has considerable reflective power, but the brightness is soon lost. The enamelled iron, made by the patent enamel company, is somewhat inferior to bright tin in reflective power; the inferiority is about as 8 to 11 as tried in a photometer; but a good deal of the light which is lost by diffusion in the photometer experiment would be of value in actual use. This material appears very durable, and is easily kept clean. If, therefore, its price is not very high, it will be very suitable for these lamps. A pattern has been made in tin in order that it may be ascertained at what price the company will supply lamps of this material; and, if the cost is not excessive, they will be tried in the Art Library, where preparations are now being made for outside lamps, as, from experiments made, I have every reason to believe that they will answer well there, and the possibility of damage to the bookbindings from the gas will be avoided.

In fitting up these outside lamps to existing buildings, there is considerable difficulty in providing a proper chimney for getting rid of the fumes of the gas. Those for the Art Library, for instance, will have to be carried up outside sufficiently far to clear the inlet openings of the picture galleries above. In all future buildings great attention ought to be given to providing sufficient up-cast shafts for gas lights, which might be made—particularly if sun-lights are used—to greatly assist the ventilation. But without them it is hopeless to expect either outside lamps or sun-lights to work properly.

Necessity for proper up-cast shafts.

The present reading-room of the Art Library is, unfortunately, so placed that it cannot be lighted from outside; but I have found that it is possible, at no very great cost, to get a shaft from it, into which can be taken by iron tubes the products of combustion of the argand lights, which will in future be used. This alteration is shortly going to be put in hand, and will, I feel sure, add greatly to the comfort and healthiness of the room, which is now always so fully occupied in the evening that some improvement is much wanted.

Reading room in Art Library.

Except on two or three great holidays in the year, the Museum is seldom crowded in any part during the day, and there is ample supply of air for the number usually frequenting it. In the evening certain parts, more particularly the picture galleries, are a good deal crowded, and consequently a greater supply of fresh air is required. It must be remembered, however, that to every foot length of picture gallery, say 24 feet wide, there are eight gas jets, consuming about 16 cubic feet per hour. In the heat evolved we have a motive power which, with proper management, should be more than ample to produce the requisite amount of ventilation. I therefore think that the great point to be attended to in trying to make improvements in the ventilation, particularly in future buildings, is that of escape for the vitiated air. Our enemy here is the wind. In a still atmosphere there is no difficulty in getting rid of the vitiated air, but when it is remembered how chimneys even with high shafts will persist in smoking in windy weather, it is easy to understand how much more difficult ventilation then becomes. It is a question for consideration how far any system of forcing air into the Museum would be likely to answer. With the power that the combustion of the gas gives, there should be no need for any further force when the gas is lighted; and it would, I think, be extremely difficult to apply generally any system of forcing air into a building so complicated and of so many parts as the Museum. The system in use at the Royal Marine Barracks at Woolwich is certainly not successful there, though in a large room in the City, of which the ventilation was arranged by the same person, the system appears to answer well.

Ventilation.

Though the air here is, comparatively to that of the more densely populated parts of London, clear, we have thought it well to try how far it can be filtered, so as to get rid of dust and dirt before it is admitted to the Museum. All the air coming into the courts passes screens of muslin, which no doubt strain off some of the impurities. But when it is remembered how exceedingly minute the particles of matter in suspension in the air for the most part are, it is easy to understand that it is practically impossible to get rid of more than a very small proportion of the dirt; and in this Museum, where there is such a large number of visitors daily, the quantity of dirt strained out of the air must bear a very small proportion indeed to that brought in on the shoes and clothes of visitors.

Filtering the air.

The warmth and steadiness of temperature of the Museum have been fairly maintained during the year; the arrangements, however, were not subjected to any very severe test by low temperatures, the minimum registered out of doors having been 27°.

Appendix D.

REPORT BY CAPT. FESTING.

I append, as in former years, a summary of the registers of certain portions of the Museum :—

	Temperature.			Daily Range.	
	Maximum.	Mean.	Minimum.	Maximum.	Mean.
	°	°	°	°	°
Competition gallery -	80	60·9	46	11	4
Sheepshanks centre room (new).	81	61·4	49	14	3·9
Raphael gallery - -	82	61·8	50	14	5
Old western gallery (Townshend bequest).	83	61·1	52	16	5·6
North Court - -	78	61·3	53	15	4·7
South Court - -	78	61·3	53	9	3·7
Standard (out of doors) -	88	50·8	27	33	12·8

E. ROBERT FESTING, Capt. R.E.

To the General Superintendent and Director,
South Kensington Museum.

REPORT BY MR. REDGRAVE.

5. REPORT of the INSPECTOR-GENERAL for ART on the PICTURES, DRAWINGS, and STATUES in the FINE ART COLLECTIONS, being the Property of, or under the Charge of, the DEPARTMENT OF SCIENCE AND ART at SOUTH KENSINGTON, 1869–70.

It is again my duty to report on the state of the works in the above collections, and on the additions to them by gift, purchase, or on loan during the past year.

Glazing.

All the pictures have had careful supervision from time to time to examine their state and condition. The intention of placing the whole collection under glass has been carried out, with the exception of three or four pictures of large size; but, in view of the safety and preservation of such works, which covering them with glass so greatly promotes, it is intended to complete these also, and, as soon as possible, to glaze the pictures, in oil, bequeathed during the past year.

Townshend Bequest.

The collection of oil paintings founded on the valuable gift of Mr. J. Sheepshanks, and the water colour collection which has been formed on the nucleus of Mrs. Ellison's gift, have been largely increased by the bequest of the Rev. Chauncy Hare Townshend, who, in addition to a valuable collection of precious stones, of books on art, of engravings, and of coins, bequeathed to the Department,—

41 paintings, in oil, by old masters.
101 „ „ by modern foreign painters.
44 „ „ by British painters.

together with a large number of works in water colours, consisting of—

102 paintings, in water colours, by British painters.
75 „ „ by foreign „

These works have been catalogued and temporarily arranged for exhibition. Works hitherto in folios have been mounted and framed, and it is intended to reframe in a more suitable manner and to glaze the oil pictures, in classes, either for permanent exhibition with the other

collections at Kensington, or, for circulation, to enable the various towns in which there are Schools of Art to appreciate the valuable gift the testator has bequeathed to the public, and to permit of their study by the students of those schools. Appendix D. Report by Mr. Redgrave.

Other additions, by gift, to the collection of oil pictures are— Other gifts of oil pictures

Scipio receiving his son from the Ambassadors of Antiochus. Painted by G. Smith. Presented by S. Redgrave, Esq.

Portrait of Dr. Ure. Painted by D. MacNee, R.S.A. Presented by Mrs. Mackinlay.

Pictures in water colours added to the collection:—

Ancient Rome. } Painted by and bequeathed by A. Ashpetal, Esq.,
Modern Rome. } F.S.A.

The Vale of Cashmere. Painted and presented by W. Carpenter, Esq. of water colours.

Twenty water colours have also been added to the collection by purchase during the past year.

The collection of James Spencer Bell, Esq., four pictures by John Mortimer, lent by Swann Hurrell, Esq., and some others, have been in the galleries on loan during the year; many other offers of loans of pictures interesting to the public have been necessarily declined from the crowded state of our galleries. The same cause also prevents the proper classification and arrangement of the valuable gifts hitherto made to the public. This can only be remedied by the speedy completion of the new buildings, or by the adoption of some comprehensive plan for the disposition of all pictures, &c. belonging to the nation, such as I have already proposed in a former report. Loans. Want of space.

It is very satisfactory to have to report that none of the works under my charge have suffered any injury by accident or carelessness during the past year.

RICHARD REDGRAVE,
Inspector General for Art.

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6. REPORT of the MUSEUM KEEPER of the ART COLLECTIONS. REPORT BY MR. WALLIS.

1. I BEG to report that although the progress made in the detailed classification of the objects in the Art Museum during the past year has been very satisfactory, the arrangement of various classes of objects has been so much interfered with for the want of space, that in some respects the grouping is not so satisfactory as it was at the date of my last report; nor has the progress in the display of important and valuable objects in suitable glass cases been such as might reasonably have been expected, from the fact that the cases required could not be supplied. Report by Mr. Wallis. Classification and arrangement of the objects.

2. The Keramic collection has been rendered more available for study by further improvements in the details of arrangement, but these details cannot be thoroughly carried out until the special glass cases required for the proper security and display of the objects are available. Keramic collection.

3. The collection of Musical Instruments has been largely increased, and the various examples have been brought together in a more prominent and effective manner than heretofore. Special cases and arrangements are, however, still needed for the satisfactory exhibition of the collection in a complete form. Musical instruments.

4. The Art Museum now possesses a very fine collection of Textile Fabrics, probably the finest in existence. If properly exhibited, its study would be of great interest and value to those manufacturers and designers whose object it is to produce first-class fabrics. It is, however, so imperfectly exhibited for the want of proper space, and its preservation so much endangered by the specimens having to be placed Want of space for collection of textile fabrics.

Appendix D. REPORT BY MR. WALLIS.

from time to time in unsuitable positions as regards light, that its value for study is reduced to a minimum. The larger examples, although not absolutely stored away, have to be placed over each other, and are thus practically useless to the public, unless specially brought out when inquired for.

Imperfect exhibition of collection of wrought-iron work.

5. It is also to be regretted that the remarkable and highly suggestive collection of ancient Wrought Iron Work cannot be better arranged for study. Its practical value to certain staple productions of the country, in a technical sense, is very great. Every specimen ought to be so arranged that it can be seen on both sides, in order that architects, designers, and workmen can examine the details and method of production. At present such an arrangement is an impossibility, from want of space as well as suitable light.

Electrotype reproductions.

6. The Electrotype Reproductions acquired during the year 1868 rendered the collection so complete that it was considered advisable to bring the whole together in some prominent position. They have therefore been arranged in the South Court, and form a most important group of Art works, highly suggestive to the artist, the art workman, and the manufacturer of decorative works in the precious metals.

Acquisitions by purchase.

7. The acquisitions by purchase comprise some very important additions to several classes of objects which required such additions to render them more complete. The presentations, too, have been numerous and interesting.

8. Amongst the acquisitions by purchase, the following may be enumerated as having special Art value:—

1. The interior fittings and decorations of a boudoir in a house in the Rue St. Louis, Paris, formerly belonging to the Marquise de Serilly, Lady of Honour to Queen Marie Antoinette. *French.* The latter half of 18th century. Price 2,100*l.* No. 1736.'69.

   The lunettes and ceiling are by Natoire, the rival of Boucher, the ornamental details and painted decorations are said to be by Fragonard, the mantelpiece by Clodion, and the decorations in metal by Gouthière.

   The work is said to have been executed by these eminent artists, under the direction of the Queen and Madame Serilly, as a surprise to the husband of the latter on his return home after an absence on duty as one of the paymasters of the French army.

2. A cabinet, *English*, late 15th century, constructed principally of pear-tree, inlaid with marquetry of other coloured woods, supported on four columns on a base, in which are the devices of the Tudor rose and a portcullis. It is carved on the ends and exterior of the folding doors with battle pieces in high relief, and with scriptural and allegorical subjects on the internal drawers. Price 500*l.* No. 27.'69.

3. A series of 14 knives of steel, the neck of the blade damascened with gold. *English.* Dated 1607. The handles are of carved ivory, each with a portrait figure of an English sovereign, viz., Henry I., Richard I., Henry III., Edward III., Richard II., Henry V., Edward IV., Edward V., Richard III., Henry VII., Henry VIII., Edward VI., Elizabeth, and James I. Price 410*l.* 9.'Nos. 453–466.'69.

4. A scabbard of a sword in leather, ascribed to Pollajuolo. *Italian.* Date about 1500. This formerly belonged to Cæsar Borgia, whose monogram, "Cæsare," is thrice repeated. It is highly decorated with applied ornament of pressed leather in allegoric groups and medallions. Price 100*l.* No. 101.'69.

5. A shield made of wood, covered with canvas. *Italian.* Early

16th century. Painted in grisaille and gold, on the outside with the battle of the Centaurs and Lapithæ, on the inside, with Scævola before Porsenna and an equestrian combat. Price 100*l.* No. 174.'69.

6. A tabernacle or ciborio in marble, ascribed to Matteo Civitate, of Lucca. *Italian.* Dated 1498. Renaissance pilasters supporting an archband, beneath which are two angels withdrawing the curtains of a tent. Price 240*l.* No. 418.'69.

7. A table top of Florentine mosaic, probably from the Grand Ducal Mosaic Establishment, Florence. *Italian.* 18th century. The mosaic decorations are composed of lapis, carnelian, and other decorative stones, in patterns of vases of flowers and strap work. Price 300*l.* No. 449.'69.

8. A gold enamelled badge of the Order of the Garter. *English.* 17th century. The figures in coloured enamels, the garter and motto in blue and gold. This jewel is said to have belonged to Thomas Wentworth, Earl of Strafford. Price 100*l.* No. 273.'69.

9. A series of interesting and suggestive examples of Norman jewellery. *Old French.* Various dates. Consisting of 42 specimens, chiefly pendent crosses, with and without lockets, girdle clasps, and neck ornaments. Price 144*l.* Nos. 58–99.'69.

10. A series of 16 specimens of modern Egyptian jewellery collected by — Deutch, Esq., of the British Museum, when attached to the expedition to Abyssinia, 1868. Price 39*l.* 10*s.* Nos. 1102–1117.'69.

The two series above named form a valuable addition to the general collection of jewellery in the Art Museum.

11. A series of 34 specimens of Battersea and Bilston enamels. Price 118*l.* 10*s.* Nos. 557–590.'69.

Purchased from Mrs. Haliburton, in addition to those acquired at the sale of her collection in 1868. The Museum collection is now very complete, and a series of duplicates have been selected for circulation to provincial exhibitions in connexion with schools of Art.

12. Two clavichords. *Italian.* One is of ebony, with Renaissance scroll ornament in gold and carved keys, the work of Marco Jadra, dated 1568; and the other of pine wood, with carved scroll moulding and inlaid keys, the work of Annibale of Milan, probably Annibale dei Rossi, dated 1555. Price 300*l.* Nos. 155–156.'69.

Seven other musical instruments, viz.:—

Clavecin. *French.* Made by Pascal Tastien, Paris. Dated 1786. Price 80*l.* No. 1121.'69.

Quinterna or Cluterna. *German.* Made by Joachim Tielke, Hamburg. Dated 1539. Price 30*l.* No. 1122.'69.

Flute or trumpet. "Cornetto curvo." *Italian.* Early 16th century. Price 10*l.* No. 1123.'69.

Flageolet. "Flute à bec." *Italian.* Middle of 18th century. Price 24*l.* No. 1124.'69.

Lute. *Italian.* Early 16th century. Price 40*l.* No. 1125.'69.

Theorbo. *Italian.* The work of Matteo Sellas, of Venice. Early 18th century. Price 40*l.* No. 1126.'69.

Oboe. *North Italian.* The work of Anciati, of Milan; from the Rossini collection. Latter half of 18th century. Price 40*l.* No. 1127.'69.

These, with previous acquisitions, and the collection of 34 instruments presented by His Highness the Khedive of Egypt,

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from the Paris Exhibition, 1867, together with a series of Chinese instruments recently presented by the directors of the Alexandra Park Crystal Palace Company, have made the collection of musical instruments now in the Museum of great interest and value.

Early Christian art. Wall paintings from Rome.

In addition to these original objects copies of wall paintings discovered between 1857 and 1865 in the subterranean Basilica of St. Clement in Rome have been acquired. These vary in size, which is the same as that of the originals, and early Christian art from the 4th to the 10th century. These were executed under the superintendence of Father Mulooly, the prior of St. Clement. Price 150*l*. Nos. 1715–1724.'69.

Three copies from examples of early Christian Art in the Catacombs of Rome have also been received, as part of the series selected to be executed under the superintendence of the Commendatore Jean Baptiste de Rossi. (*See* Notes by the Director, H. Cole, Esq., C.B., and Lieut.-Col. Scott, R.E., pp. 320 to 337.)

Donations.

9. The donations to the Art Museum during the year have been numerous, and many of them of considerable interest and value. The most important are as follow:—

1. Two books, the Early Years of H.R.H. the Prince Consort, and the principal Speeches and Addresses of the Prince Consort; each with an inscription by the Royal Donor. Presented by Her Majesty the Queen.
2. A collection of 30 musical instruments. *Modern Egyptian.* From the Paris Exhibition of 1867. Presented by His Highness the Khedive of Egypt.
3. The crown of Abyssinia, with robes and personal ornaments of the Queen of that country. Captured in the Abyssinian campaign, 1868. Presented by the Secretary of State for India.

Townshend bequest.

10. The details of the bequest of the Rev. Chauncy Hare Townshend, announced in my last report, are given at page 383, and the summary of the oil paintings, water-colour drawings, gems, and cameos, as finally corrected by the registration of each object, &c., is as follows:—

Oil paintings, old Masters - - -	41
„ „ modern British - - -	44
„ „ modern Continental Schools -	101
Water-colour drawings, British - - -	102
„ „ Foreign - - -	75

Loan collection.

11. The collection of objects on loan from possessors of fine works of Art and Art manufacture has been fully sustained during the year, and had space been available a large addition to this important section of the Museum could have been made, and the value and interest of these loans largely increased. This want of space is the more to be regretted, as there is a growing tendency in the lenders to present objects of importance and value once deposited in the Museum, especially when they form connecting links with others already acquired.

Meyrick collection of armour.

12. The important loan of the collection of ancient armour from Goodrich Court, the property of Colonel Meyrick, still remains in galleries adjoining the Royal Horticultural Gardens, and has been a source of attraction and interest during the year, not only to the general public, but to antiquarians, artists, and students. I announced in my last report that Colonel Meyrick had most liberally consented to permit drawings to be made from the objects in his collection, subject to the same regulations as those adopted for the national property in the Art Museum. Of the privilege thus granted 87 students availed themselves, and the periods for which the permissions were given ranged

from two days to 30 days, and were in some instances renewed on application at the end of the latter period. Appendix D. Report by Mr. Wallis.

13. The number of designers and students availing themselves of the privileges for drawing from objects in the Museum under the special regulations was not so large in 1869 as in 1868; but this may be accounted for by the fact that so many devoted their attention to the Meyrick collection of armour over a considerable portion of the year. The return is as follows:— Study of objects in Art Museum.

1869.

Number of Students - - - -	82
Altar painting - - - - -	1
Bookbinding - - - - -	12
Cartoons by Raphael - - - -	21
Enamels - - - - - -	2
Fans - - - - - -	6
Furniture - - - - -	36
Glass - - - - - -	3
„ stained - - - - -	1
Illuminations - - - - -	21
Ironwork - - - - -	6
Lace - - - - - -	19
Metal work - - - - -	4
Musical Instruments - - - -	7
Plate, silver - - - - -	3
Plaster casts - - - - -	5
Porcelain - - - - -	10
Sculpture, decorative - - - -	8
„ statues - - - -	2
Sketches by Mulready - - - -	29
Tapestry - - - - -	3
Textiles, woven and embroidered - -	11
Water-colour drawings - - - -	2
Wood carvings and panels - - -	7
Miscellaneous - - - - -	2
Total - -	221

14. It is satisfactory to report that the number of persons who habitually study the objects and make slight sketches of them without requiring the special permission given when elaborate drawings or highly-finished studies are required, is steadily on the increase. Great care, however, is taken to prevent sketching objects on loan without the written permission of the lenders.

15. The Etching Class has continued its operations from objects in the Museum, under the direction of R. J. Lane, Esq., A.E.R.A., selections of the most suggestive and important examples being made from time to time; and the collection of etchings produced now form two or three important series of illustrations for circulation to Schools of Art. The number of objects issued to the Etching Class from the Museum during the year has been 169, as against 191 in 1868. In 1866 there were 50, and in 1867 they numbered 82 objects. Etching class.

16. The reproductions acquired during the year have not been numerous. Amongst the principal electrotypes may be mentioned:— Reproductions. Electrotypes and plaster casts.

1. Mirror frame and table, with mounts, consisting of scrolls, &c. in relief. The originals in ebony and silver repoussé work. The property of the late Countess de la Warr. Electrotyped by Messrs. Franchi and Son.

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These are in addition to the series enumerated in my last report, as having been executed in electro-deposit from the collection of works in silver at Knole Park by permission of the Countess de la Warr.

2. A collection of 19 electrotypes of various portions of armour and weapons of warfare, including a complete suit of armour formerly belonging to Henri II. of France. The originals are preserved in the principal museums in Paris. Electrotyped by Messrs. Leonnet Frères, Paris.
3. Statuette of Henry IV. of France when a child. The original, silver, is in the Louvre, Paris. Electrotyped by Messrs. Leonnet Frères, Paris.
4. Violin, richly carved with woodland scenes, belonging to the Earl of Warwick, by whom it has been lent to the South Kensington Museum. Date about 14th century. Electrotyped by Messrs. Franchi and Son.

The principal plaster casts are:—

5. Shrine of St. Sebaldus. The original, in bronze, executed by Peter Vischer, assisted by his five sons, is in the Church of St. Sebaldus at Nuremberg. Cast by Messrs. Rotermundt and Sons, of Nuremberg.
6. A collection of casts of the principal ecclesiastical objects preserved in the Treasury of the Cathedral at Mouza. Cast by M. Pierotti, of Milan.
7. Twenty-seven casts of Indian sculptures taken from the ruined city of Saitron, in Rajpootana. Date about 1100. Taken from fragments of the original sculptures lent by Sir Bartle Frere, K.C.B. Price 55*l*. No. 27.
8. Shrine of St. Peter the Martyr. The original, in marble, is in the Church of St. Eustorgio in Milan, and was executed by Giovanni Balducci, of Pisa. Dated 1330. Cast by M. Pierotti, of Milan.

Circulation of works for study.

17. The demand from Schools of Art for the loan of water-colour drawings, &c., for the purposes of study continues, especially from those schools in which the masters have habituated themselves to make use of this privilege, and the system of contributing examples on deposit loan will be brought more fully into operation when suitable glass cases can be provided in which objects can be secured for use in the schools.

Circulating collection.

18. The collection of objects selected from the Museum for the purposes of circulation has undergone re-arrangement during the past year. Some important additions have been made to it by the transfer of the duplicate objects purchased at the Paris Exhibition of 1867, and the duplicate and triplicate electrotypes recently acquired.

Circulation to local exhibitions.

19. Several important local exhibitions were held during the year, but it is to be regretted that, although contributions were in every instance selected, as far as possible, to meet the wants of the district, the managing committees of several of them did not supply any information as to the number of visitors, proceeds, &c. Even when the admission is free it is always of importance to know how far the public takes an interest in efforts of this kind. The full return, so far as the information supplied permitted its being made complete, will be found at page 376.

The principal exhibitions of the year 1869 were:—

1. Birmingham School of Art:—In continuation of the experiment reported last year, the change named, as having been asked for after 30th January 1869, was effected by the 13th February, and the exhibition was kept open in the Fine Art Gallery of the Midland Institute, subject to the permission of the Free Library

Committee of the Corporation, until 1st May (65 exhibiting days). The contributions sent consisted of the series of electrotypes from the Queen's plate, and specimens selected from the purchases at the Paris Exhibition, 1867, chiefly illustrative of cheapness in art manufacture. The number of visitors was 30,338, which increased the total number of visitors for the whole period to 161,712.

2. Wedgwood Institute (Burslem) Art Exhibition:—The promoters of the Wedgwood Universal Institute at Burslem inaugurated the opening of the building for public use by an exhibition for the benefit of the funds of the School of Art to be located within its walls, and in aid of the general purposes of the institution. This exhibition was opened by the Lord President on 19th April, and continued open until 10th August (98 exhibiting days). The success was not so great as was expected, or as the extremely valuable and interesting character of the exhibition deserved. The number of visitors was 17,589, and the proceeds amounted to 388*l.* 3*s.* No surplus was realized for the funds of the institute.

   The exhibition consisted of an admirable collection of oil paintings, water-colour drawings, &c., and an illustrative series of specimens of Ceramic art, especially Wedgwood ware, and the early pottery of the Staffordshire district. The contribution from the Art Museum was varied and extensive, and, as far as possible, was selected for its bearing on the products of the locality.

3. The South Staffordshire and East Worcestershire Industrial and Fine Arts Exhibition originated in a desire to promote the interests of the Wolverhampton School of Art and the South Staffordshire Adult Education Association. It was held in a special building erected in the grounds of Molyneux House, Wolverhampton, the mansion itself and the grounds being also used for the purposes of the undertaking. It was publicly opened by the Right Hon. Earl Granville, K.G., on 11th May, and continued open until 30th October (149 exhibiting days). The number of visitors was 222,705, and the proceeds from all sources were 9,589*l.* 18*s.* The surplus reported was 1,203*l.* 4*s.* 2*d.*, but gratuities were presented as recognitions of professional services, which amounted to 327*l.* 14*s.* The nett surplus available for the promotion of the future interests of the School of Art, Wolverhampton and South Staffordshire Adult Education Association, was 875*l.* 10*s.* 3*d.* This sum it is proposed to apply to the promotion of a Science and Art School on the basis of the present School of Art at Wolverhampton.

   This exhibition appeared so important in its industrial aspects that exceptional contributions were sent from the Art Museum. Her Majesty the Queen graciously lent the Abyssinian trophies, which had been exhibited on loan at South Kensington since their arrival in England, and these were placed under the care of the attendant in charge of the Museum objects. These consisted of examples of ancient iron and steel work, electrotypes, glass, ornamental metal work, and a large series of framed examples. As a very important collection of pictures in oil and water colours formed an important feature of the exhibition, a small collection of works in oil, and a series of water-colour drawings, illustrating the history and progress of water-colour painting in England from 1770 to the present time, were also sent. The latter series is now intended to be kept together permanently for the purpose of circulation.

   As the local industries of South Staffordshire and East Worces-

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tershire were well represented in the exhibition, a request was forwarded by the local committee of management that some one should be deputed by the Science and Art Department to report upon this important feature. I was, therefore, instructed to perform this duty, and in due course presented a report on the various sections of industry represented on the occasion to the Lord President. This report was printed by the committee of the exhibition, and has been circulated amongst the guarantors, exhibitors, and others interested in the undertaking, which may be safely described as one of the most successful industrial exhibitions as yet held in the provinces.

4. Bath and West of England Society:—This association held its annual meeting at Southampton, in connexion with the Southern Counties' Association, from 29th May to 5th June, both days inclusive. Contributions of objects from the Art Museum were sent in charge of an Art attendant, the charges for carriage being defrayed as usual by the society.
5. Devonport Science and Art Exhibition:—This exhibition was open 43 exhibiting days, from 1st September to 23rd October; and the contributions sent were illustrative both of Science and Art. The number of visitors was reported as 10,351, and the total receipts, 277*l.* 7*s.* 5*d.*
6. Manchester Missionary Exhibition:—This effort, although not connected with the School of Art, claimed special assistance in the loan of the Abyssinian objects acquired by purchase and presentation. A very complete contribution was sent, but, as the exhibition still remains open, the result will be reported on another occasion.

Educational value of local exhibitions.

20. It would be difficult to overrate the value of such efforts, as those above detailed, to the localities in which the exhibitions were held. There can be no doubt that the assistance rendered by the Science and Art Department is always an important element of success on those occasions. For two reasons,—first, it certainly contributes and brings before the manufacturer, the student, and the artizan, objects which would otherwise be unattainable; and secondly, it creates confidence in the minds of the possessors of works of Art, who lend these objects the more readily, from feeling that objects would not be sent from the Art Museum unless the Department had a sufficient guarantee of the *bona fides* of the undertaking, and the safety of the works contributed.

21. The extent of the Townshend bequest in oil paintings and water-colour drawings will add considerably to the number and quality of the works of this class available for circulation from time to time, and under judicious selection—the integrity of the collection as a whole being kept in view.

Historical series of water-colour drawings.

22. One practical result of this bequest has been the formation of a historical series of water-colour drawings, showing the progress of the art from 1770 to the present time, as already noticed in connexion with the recent exhibition at Wolverhampton, to which it was first sent. Water-colour drawings from the original collection were replaced by drawings in the Townshend collection, sometimes of a superior character, and, as duplicates and triplicates presented themselves, it was found a comparatively easy matter to set aside a series of from 60 to 70 drawings for circulation as a historical series, which will be augmented and improved from time to time. This series has been lent to the Royal Hibernian Academy, Dublin, for a period of six months, and it is proposed, as far as possible, to keep it in constant circulation to localities where proper and safe accommodation for its exhibition can be provided.

The extension of the circulation of works of art in the future. Demand and supply.

23. As a matter of course the extent to which large towns can advantageously use the privileges now available for the circulation of objects illustrative of Science and Art in its application to industry, depends very much upon the accommodation available in each locality for the purposes of exhibition. In every case, however, where local museums or analogous institutions exist, the question of the initiative rests entirely with the local authorities, and the success of any effort for the better education of the people in artistic and scientific knowledge depends rather upon the liberality and enlightenment of each district within itself than upon any extraneous aid. Clearly the function of the Science and Art Department is to assist local efforts, and not to originate them. The future supply of means for promoting such education must, therefore, depend rather upon provincial wants and demands than upon any arrangement or action in the centre from which, under proper regulations, such wants and demands may be met.

GEORGE WALLIS,
Keeper of the Art Collections.

RETURN of ACQUISITIONS in ART MUSEUM, 1869.

MONTH.	Purchases.	Approval.	Donations.
January	28	307	2
„ (reproductions)	14	—	—
February	68	91	1
March	122	212	18
„ (reproductions)	9	—	—
April	132	427	43
„ (reproductions)	1	—	—
May	107	26	36
„ (reproductions)	5	—	—
June	40	62	6
„ (reproductions)	2	—	—
July	35	57	15
„ (reproductions)	34	—	—
August	3	30	1
„ (reproductions)	19	—	—
September	—	15	4
October	49	36	15
„ (reproductions)	6	—	—
November	59	35	3
„ (reproductions)	3	—	—
December	14	41	24
„ (reproductions)	6	—	—

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RETURN of OBJECTS lent for EXHIBITION, 1869.

Place of Exhibition.	Date.	No. of Objects.	No. of Paintings, Drawings, &c.	No. of Frames.
Cheltenham School of Science -	Jan. and Feb.	—	73	72
Darlington School of Art -	Jan.	—	339	160
Bolton Exhibition - -	Feb. to April.	28	—	—
Frome School of Art - -	Feb.	—	13	13
Birmingham School of Art -	Feb. to May.	68	—	—
Sheffield School of Art -	March to April.	55	243	117
Torquay School of Art - -	March.	—	8	8
Burslem (Wedgwood Institute) Art Exhibition.	April to Aug.	295	300	144
Wolverhampton (South Staffordshire) Exhibition.	May to Oct.	209	545	278
Leeds School of Art - - -	May to Dec.	—	20	20
Southampton (Bath and West of England Society, and Southern Counties Association).	May and June.	457	—	—
Dublin (Royal Irish Academy) -	May to Oct.	—	2	2
Bangor Exhibition - - -	Aug.	—	172	105
Bridport School of Art - -	Aug. to Dec.	—	25	25
Devonport Science and Art Exhibition.	Sept. to Oct.	197	—	—
Callington Club and Institute -	Sept. to Oct.	—	118	59
Llanelly School of Art - -	Sept. to Oct.	—	172	72
Bolton School of Science and Art.	Sept. to Oct.	8	155	54
Penzance School of Art -	Sept. to Oct.	—	220	208
Leamington School of Art -	Sept. to Oct.	—	61	49
Bristol School of Art - -	Oct.	—	158	59
Basingstoke School of Art -	Oct.	45	39	37
Oxford School of Art - -	Oct. to Nov.	—	248	132
Burslem School of Art - -	Nov. and Dec.	—	36	36
Dublin (National Gallery of Ireland).	Nov.	—	66	65
Sheffield Architectural and Archæological Society.	Nov. and Dec.	—	66	48
Manchester Missionary Exhibition.	Dec. 1869 to March 1870.	52	—	—
Newcastle-upon-Tyne School of Art.	Dec.	—	35	35
Lincoln School of Art - -	Dec.	—	357	95

Place of Exhibition.	Date.	No. of Objects.	No. of Paintings, Drawings, &c.	No. of Frames.
Greenock Exhibition - -	Dec. 1869 to Jan. 1870.	59	477	102
Bridport School of Art - -	Dec.	1	65	39
Nottingham School of Art -	Dec.	—	12	11
		1,474	4,025	2,045

MONTHLY RETURN of CIRCULATION of PAINTINGS and DRAWINGS to LOCAL SCHOOLS of ART for PURPOSES of STUDY, 1869.

MONTH AND NAMES OF SCHOOLS OF ART.	Paintings, &c.
January.—Torquay, Edinburgh, Oxford, Dorchester, Warrington, Ipswich, Birkenhead, Bristol, Coventry, Southampton, Charterhouse, Kilmarnock, Bridport, Cheltenham, Norwich, Penzance, Halifax, Bath, Hull, Andover.	42
February.—Newcastle-upon-Tyne, Taunton, Caernarvon, Birkenhead, Cambridge, Worcester, Frome, Nottingham, Boston, Liverpool (South District).	24
March.—South Kensington, Hanley, Wakefield, Liverpool (South District), Croydon, Dublin, Wolverhampton, Cheltenham, Cirencester, Trowbridge.	26
April.—Cork, Bridport, Great Yarmouth, Devonport, Dorchester, Lewes, Halifax, Coventry, Torquay, Southampton, Bloomsbury, Lincoln, Norwich, Leeds, Devizes, Warminster, Charterhouse, Bristol, Sheffield, Birmingham.	45
May.—Taunton, Stroud, Liverpool (South District), Spitalfields, Nottingham, Oxford, South Kensington, Frome, Gloucester, Warrington, Newcastle-upon-Tyne, Birkenhead, Stourbridge.	23
June.—Trowbridge, Ipswich, Bloomsbury, South Kensington.	10
July.—	
August.—Bromsgrove, Dorchester, Birkenhead, Preston, Norwich, Bridport, Halifax, Lancaster, Macclesfield, Newcastle-upon-Tyne, Gloucester, Cork, Sheffield, Stroud, Coventry, Birmingham, Taunton.	39
September.—Swansea, Nottingham, Leeds, Charterhouse, Worcester, Devizes, Stourbridge, Frome, Lincoln, Ipswich, Bristol, Hull.	26
October.—South Kensington, Southampton, Croydon, Caernarvon, Halifax, Hanley, Wakefield, Liverpool (South District), Liverpool (North District), Warminster, Darlington, Norwich, Carlisle, Bridport, Bath, Spitalfields, Taunton.	42
November.—Devonport, Weston-super-Mare, Dublin, Truro, Boston, South Kensington, Gloucester, Devizes, Cirencester, Frome, Lewes, Birkenhead, Nottingham.	37
December.—South Kensington, Trowbridge, Cork, Charterhouse, Dorchester, Andover, Newcastle-upon-Tyne, Darlington, Norwich, Cambridge, Cheltenham.	44
	368

Appendix D. Report by Mr. Wallis.

RETURN of VISITORS, RECEIPTS, &c. at various EXHIBITIONS to which OBJECTS of ART were contributed from the ART MUSEUM.

Place of Exhibition.	Date.	Number of Days open.	Visitors.	Receipts.
				£ s. d.
Bolton Exhibition - - -	5th Feb. to 3rd April.	50	No returns supplied by the Local Committee.	
Birmingham School of Art -	13th Feb. to 1st May.	65	30,338	Free.
Sheffield School of Art - -	15th March to 30th April.	41	No returns supplied by the Local Committee.	
Burslem (Wedgwood Institute). Art Exhibition.	19th April to 10th August.	98	17,589	388 3 0
Wolverhampton (South Staffordshire) Exhibition.	11th May to 30th Oct.	149	222,705	9,589 18 0
Southampton (Bath and West of England Society and Southern Counties Association).	29th May to 3rd June.		57,966	3,774 2 0
Devonport Science and Art Exhibition.	1st Sept. to 23rd Oct.	43	10,351	277 7 5
Bolton School of Science - -	18th Sept. to 1st Oct.	13	No returns supplied by the Local Committee.	
Basingstoke School of Art -	13th Oct. to 30th Oct.	16	Do.	Do.
Manchester Missionary Exhibition.	3rd December to 12th March 1870.	90	Do.	Do.
Greenock Exhibition - -	23rd Dec. 1869 to 22nd Jan. 1870.	27	—	—

LOANS to ART MUSEUM in 1869.

Aglie, Count de. A silver reliquary.
Arts, Society of. Objects sent in for competition.
Akhotchinsky, P. A collection of Russian jewellery (crosses, chains, buttons, etc.).
Baily, F., Esq. Specimens of wood carving and earthenware.
Barker, A., Esq. Furniture. Paintings.
Barton, Dr. A. A Japanese painting.
Beck, Rev. J. Two Indian bronzes.
Beggs, T., Esq. A portrait.
Bell, John, Esq. A figure in marble.
Bell, J. S., Esq. Twelve paintings in oil and water-colours.
Beresford-Hope, A. J. B., Esq., M.P. Objects in ebony, enamel, ivory, and silver.
Binns, R. Objects in porcelain.
Black, C. C., Esq. A pair of bronze vases.
Brogden, J., Esq. A jewelled casket.
Bulwer, Right Hon. Sir H. L. Four paintings in oil.
Carey, Lady. Miniature and medallion.
Castellani, Signor A. Objects in terra-cotta.
Chester, Rev. G. J. An Oriental dagger.
Cobden, Mrs. A Celadon green vase.
Dasent, G. W., Esq., D.C.L. A collection of plate.
Donegal, The Marquess of. The Irish International Volunteer Trophy.
Duckett, Sir G. Objects in horn and metal.
Dudley, The Earl. Objects in porcelain.
Dunn, W. H., Esq. Objects in earthenware.
Dunraven, The Earl of. Specimens of metal work and ancient Irish jewellery.
Durrant, Mrs. Two paintings in oil.

Eastlake, W., Esq. Brass processional cross from Abyssinia.
Engel, C., Esq. A collection of musical instruments.
Falize, M. Alexis, aîné. Specimens of Chinese cloisonné enamel.
Farquhar, H. M., Esq. Four porcelain vases.
Fanshawe, —, Esq. Collection of Lappish and Algerian ornaments.
Fortnum, C. D. E., Esq. Objects in gold and Persian earthenware.
Fraser, A. J. T. An oil painting.
Frere, G. E., Esq. Specimens of embroidered velvet.
Furley, J. Objects in Chinese porcelain and jade.
Goding, C., Esq. Collection of watches, snuff-boxes, and miniatures in gold, porcelain, and enamel.
Goode, Mr. W. J. Objects in majolica.
Gray, Mr. G. A painting on porcelain.
Gurney, J., Esq. A Japanese vase of bronze.
Hertz, J., Esq. A carving in tortoise-shell.
Heythuysen, Major G. E., van. A Wedgwood-ware vase.
Hill, B., Esq. A silver snuff-box.
Hine, Rev. V. Objects in Chinese porcelain.
Hooker, Dr., F.R.S. Two gold watches.
Hooper, Rev. R. P. Two plaques of Battersea enamel.
Ives, Capt. C. Centre piece in Italian porcelain.
Johnstone, C., Esq. Objects in carved ivory.
Kettle, R., Esq. A painting in oil.
Kinnoul, Earl of. A dinner service, and ewer of silver gilt.
Lambert and Co., Messrs. A silver tea service.
Langfield, F. H., Esq. Three water-colour drawings.
Law Courts' (New) Commission. Designs for courts.
Layard, Right Hon. A. H. Paintings in oil and fresco, and objects in majolica and glass.
Lee, Capt. H. J. A silver vessel for mixing oil and wine.
Leroy, fils. An enamelled snuff-box.
Mallam, —, Esq. A native axe from Mangara.
Malcolm, Lieut.-Gen. A Roman mosaic.
Marochetti, The Baron. Statuettes in bronze and plaster.
Maskell, W., Esq. Two seals and specimens of Oriental china.
Merle, W. H. de, Esq. A gold signet ring.
Metcalfe, W., Esq. Two Japanese porcelain vases.
Meyrick, W., Esq. A gold clock, set with precious stones, and objects in leather, metal-work, &c.
Millais, J. E., Esq., R. A. A portrait.
Moody, Rev. J. R. Collection of plate.
Norman, E., Esq. A porcelain vase.
Oliver, L., Esq. Painting on panel and majolica plateau.
Ouvry, F., Esq. A marble statue of "Fame."
Phillips, Mr. An enamel and gold badge.
Pickstone, W., Esq. A Venetian glass vessel.
Pinti, Signor. A marble figure of the "Madonna."
Powell, Messrs. J., and Son. A window of white and coloured glass.
Pugh, Mr. G. A bedstead in carved oak.
Rawlinson, R. Objects in majolica.
Redford, G., Esq. Forty-nine water-colour drawings.
Rodes, W. H. de, Esq. Collection of miniatures and majolica.
Rollin and Feuardent, Messrs. A bronze statuette, mummy cases, and enamel plaque.
Salisbury, The Marquess of. Sacramental cup of wood.
Sambon, M. A collection of Castelli ware.
Sassoon, Mrs. Objects of goldsmiths' work.
Schmidt, M. Six rings.
Schreiber, C., Esq., M.P. Collection of Bow and Chelsea porcelain.
Scott, G. G., Esq., R.A. Designs for New Law Courts.
Sewell, J., Esq. A portrait, "The Blue Boy."
Sharp, H. L., Esq. A group in marble.

Appendix D.

REPORT BY MR. WALLIS.

Singer, Mr. J. W. Specimens of gold and silver jewellery.
Stephens, Rev. J. O. Objects in enamel and earthenware.
Strangford, The Viscountess. Objects in ivory, silver, and gold.
Taylor, T., Esq. A painting by W. H. Phillips.
Teesdale, F. S., Esq. Objects in Chelsea and Worcester porcelain.
Tite, Sir W., M.P. A "Cista."
Trego, Mrs. W. H. B. Objects in English porcelain.
Verity, Mr. R. A picture.
Wagner, H., Esq. Two Dresden china vases.
Wallis, G., Esq. Frame containing fourteen objects in cut steel.
Ward, E. M., Esq., R.A. An embroidered casket.
Watts, G. F., Esq., R.A. A marble bust.
Watts, Major E. R. An oil painting.
Webb, Messrs. T. and Son. A glass amphora.
Webb, J., Esq. Objects in marble, boxwood, mosaic, stained glass, enamel.
Whitehead, Mr. T. M. Two Limoges enamel tazzas. Specimens of carved ivory. Musical instruments.
Willett, H., Esq. Objects in earthenware, and an illuminated MS. letter.
Wilshere, C. W., Esq. A chalice in silver and enamel. Specimens of Early Christian glass, and engravings.
Woolner, T., Esq. A marble statue.

List of Contributors of Objects on Loan exhibited in the Art Museum.

Her Majesty the Queen.
H.R.H. the Prince of Wales.

Acton, H. E., Esq.
Aglie, Count de.
Anderson, Capt. W. H., R.N.
Arbuthnot, Mrs.
Architectural Museum.
Art Union of London.
Arts, Society of.
Akhotchinsky, P.
Bacon, Rev. T.
Bacon, Miss E. S.
Bagot, Rev. F.
Bailly, F., Esq.
Bailly, T. F., Esq.
Bankes, H. N., Esq.
Barker, Alexander, Esq.
Barnard, Bishop, and Barnard, Messieurs.
Barton, Dr. A.
Beach, Rev. W. R.
Beck, Rev. J.
Beggs, T., Esq.
Bell, John, Esq.
Bell, J. S., Esq.
Bentinck, Miss.
Beresford-Hope, A, J.B., Esq., M.P.
Berney, Rev. Thomas.
Bethlehem Hospital, the Governors of.
Binns, R., Esq.
Birdsall and Sons.
Bishop, Dr.
Black, C. C., Esq.
Blackborne, Mr. A.
Blackburn, H., Esq.
Boger, Rev. E.
Bond, Joseph, Esq.
Boxer, Lady.
Braikenridge, Rev. G. W.
Brogden, J., Esq.
Budgen, J., Esq.
Bulwer, Rt. Hon. Sir H. L., Bart.
Burnside, R. J., Esq.
Campbell, Sir H. H., Bart.
Campbell, Col., R.A.
Canning, Charles, Esq.
Carey, Lady.
Carr, Mrs.
Castellani, Signor A.
Chance, J. H., Esq.
Charsley, Miss M.
Chesham, Lord.
Chester, Rev. G. J.
Church, Professor.
Church, Mrs.
Clarke, Miss.
Clinton, Lord E. P.
Cobden, Mrs.
Cole, H., Esq., C.B.
Comolera, Madame.
Cooke, E. W., Esq., R.A.
Copeland and Sons.
Coutts, Miss Burdett.
Craig, J. Gibson, Esq.
Crealock, Col. H. H.
Cumming, Col.
Dale, Miss.
Dallas, Barnes, Esq.
Darnley, the Earl of.
Dasent, G. W., Esq., D.C.L.
Davis, E., Esq.
Davies, Lieut., R.E.
Delmar, F. O. T., Esq.
Denman, T. J., Esq.
Derby, A. T., Esq.
Donegal, the Marquess of.
Donnelly, Captain, R.E.
Drewett, R. D., Esq.
Duckett, Sir Geo., Bart.
Dudley, the Earl.
Dunn, W. H., Esq.
Dunraven, the Earl of.
Durlacher, Henry, Esq.
Durrant, B., Esq.
Durrant, Mrs.
Eastlake, W., Esq.
Edwardes, Sir H., Bart.
Edwardes, T. Dyer, Esq.
Elcho, Lord, M.P.
Elias, H., Esq.
Elmore, A., Esq., R.A.
Ellis, F. R., Esq.
Engel, C., Esq.
Equiveilley, Viscountess de.
Ewart, Capt., R.N., C.B.

Falize, M.A., *aîné.*
Falkener, E., Esq.
Fanshawe, T. G., Esq.
Farnall, H. B., Esq., C.B.
Farquhar, H. M., Esq.
Feld, Count de la.
Finch, Mrs.
Flower, J., Esq.
Foreign Office.
Fortescue, Rev. W.
Fortnum, C. D. E., Esq.
Fowke, Mrs.
Franklyn, Rev. T. W.
Fraser, A. J. T., Esq.
Fraser, Sir W., Bart.
Frere, G. E., Esq.
Frere, Sir Bartle, K.C.B.
Frere, Lady.
Frigard, Madame A.
Furley, J., Esq.
Gillett, Henry, Esq.
Godfrey, J. R. R., Esq.
Goding, C., Esq.
Godley, Mrs. J.
Goode, Mr. W. J.
Gray, Mr. G.
Gresley, Sir T., Bart.
Guest, Sir I. B., Bart.
Gurney, J., Esq.
Hanbury, Thomas, Esq.
Harcourt, Lady Frances.
Harford, Rev. F. K.
Harvey, W., Esq.
Hawarden, Viscountess.
Hawkins, J. H., Esq.
Hawkins, Miss L. L.
Hayllar, Mrs.
Haynes, Richard, Esq.
Herbert, W. Esq.
Hertz, J., Esq.
Hervé, Charles, Esq.
Heythuysen, Major G. E. van.
Hicks, J., B. Esq.
Hill, B., Esq.
Hine, Rev. V.
Hogg, W., Esq.
Holburne, Sir T. W., Bart.
Hooker, Dr., F.R.S.
Hope, Mrs. H. T.
Hooper, Rev. R. P.
Howard, Lord E. Fitzalan.
Howard, H., Esq.
Hubbard, Rev. Arthur.
Hume, Archibald, Esq.
Hungerford, Mrs.
Hurrell, Swan, Esq.
Huth, Louis, Esq.
Hutton, Lieutenant.
International Volunteer Trophy, Trustees of.
Ives, Capt. C.
James, J., Esq.
Jebb, Lady A.
Johnstone, C., Esq.
Jolliffe, Rt. Hon. Sir W.
Kettle, R., Esq.
Kinnoul, the Earl of.
Lacaita, Sir James.
Lambert and Co., Messrs.
Lambert and Rawlings, Messrs.
Langfield, F. H., Esq.
Langford, Capt.
Laprimaudaye, Capt. C. H.
Laurie, Peter G., Esq.
Law Courts' (New) Commission.
Lawrence, E. H., Esq.
Layard, Right Hon. A. H.
Lea, B. H., Esq.
Lee, Capt. H. J.
Lennox, Lord Henry, M.P.
Leroy, *fils*, Messrs.
Lewin, Capt. R. E.
Leyland, Capt.
Locker, F., Esq.
Lonsdale, Miss H. P.
Lough, Mrs.
Lucas, C. R., Esq.
M'Leay, G., Esq.
MacLeod of MacLeod.
Macmanus, H., Esq.
Macpherson, R., Esq.
Maisey, Lieut.-Col.
Malcolm, J., Esq.
Malcolm, Lieut.-Gen.
Mallam, —, Esq.
Mare, W. H. de la, Esq.
Marine Society, The.
Marochetti, the Baron.
Marochetti, the Baroness.
Marryat, H., Esq.
Martin, Mrs. C.
Martin, T., Esq.
Maskell, W., Esq.
Matheson, Farquhar, Esq.
Maund, Edwin, Esq.
Merle, W. H. de, Esq.
Metcalfe, W., Esq.
Meyrick, W., Esq.
Michel, Major-Gen. Sir John, K.C.B.
Millais, J. E., Esq., R.A.
Mitchell, Rev. H.
Mitford, W. T., Esq.
Montagu, Lord Robert M.P.
Moody, Rev. J. R.
Mostyn, Hon. G.
National Gallery, Trustees of.
Naylor, R. C., Esq.
Nesbitt, Alexander, Esq.
Norman, E., Esq.
Northumberland, the Duke of.
Norwich, Dean and Chapter of.
Oliver, L., Esq.
Ottley, Captain.
Outram, Sir F., Bart.
Ouvry, F., Esq.
Palliser, Mrs.
Peters, John, Esq.
Phillips, Mr.
Pickstone, W., Esq.
Piercy, Mrs.
Pinti, Signor.
Pollen, Sir H., Bart.
Ponsonby, Captain Hon. Ashley, M.P.
Powell, Messieurs J. & Sons.
Pringle, Sir John.
Pugh, Mr. G.
Ram, Stephen, Esq.
Rawlinson, R., Esq.
Redford, G., Esq.
Redgrave, Samuel, Esq.
Reichensperger, A., Esq.
Rennie, W. H., Esq.
Riggs, G., Esq.
Rodes, W. H. G., Esq.
Rogers, W. G., Esq.
Rollin and Feuardent, Messrs.
Rothsay, Lady S. de.
Royal Porcelain Works, Worcester.
Salisbury, the Marquess of.
Salting, G., Esq.
Salomons, Mr. Alderman, M.P.
Sambon, Mons.
Sambrooke, T. G., Esq.
Sassoon, Mrs.
Satchell, W. A., Esq.
Schmidt, Mons.
Schrieber, C., Esq.
Scott, A. J. R., Esq.
Scott, G. G., Esq., R.A.
Scott, W. B., Esq.
Sewell, J., Esq.
Sharp, H. L., Esq.
Simmons, W., Esq
Singer, Mr. J. W.
Sitwell, Major.
Slark, Mr.
Smith, C., Esq.
Spence, W. B., Esq.

Appendix D.

REPORT BY MR. WALLIS.

Spurrell, A., Esq.
Stainbank, R., Esq.
Stephens, Rev. J. O.
Strangford, the Viscountess.
Strickland, Miss F.
Stuart, d'Albanie, Count.
Swinson, J. J., Esq.
Taylor, T., Esq.
Teesdale, F. S., Esq.
Téléki, the Countess.
Thompson, E., Esq.
Thorpe, C. H., Esq.
Tite, Sir W., M.P.
Trego, Mrs. W. H. B.
Trevelyan, Sir W. C., Bart.
Vaughan, Henry H., Esq.
Verity, Mr. R.
Wagner, H., Esq.
Walker, Mr. T. W.
Wallis, Geo., Esq.
Ward, E. M., Esq., R.A.
Warwick, Earl of.
Watts, Mrs. A.
Watts, Major E. R.
Watts, G. F., Esq., R.A.
Webb, John, Esq.
Webb, Messrs. T. & Son.
West, Lieut.-Col. F.
Whincopp, W., Esq.
Whitehead, T., Esq.
Wild, James W., Esq.
Willett, Henry, Esq.
Wilshere, C. W., Esq.
Wilson, Miss.
Woodhouse, J., Esq.
Woolner, T., Esq.
Works, Office of.
Wynn, Sir W. W., Bart.
Yescombe, Rev. M.

DONATIONS to ART MUSEUM during the Year 1869.

PRESENTED BY HER MAJESTY THE QUEEN.

Two books: "The Early Years of H.R.H. the Prince Consort," and "The Principal Speeches and Addresses of the Prince Consort." With inscriptions from the Royal donor. Nos. 597 and 1749–69.

PRESENTED BY HIS HIGHNESS THE KHEDIVE OF EGYPT.

Collection of 30 musical instruments, from the Paris Exhibition, 1867. Modern Egyptian. Nos. 663 to 692–69.

PRESENTED BY THE SECRETARY OF STATE FOR INDIA.

The crown of Abyssinia, with robes and personal ornaments of the Queen of that country, captured in the Abyssinian campaign. Nos. 257 and 395 to 416–69.

PRESENTED BY THE REV. J. ALLEN.

Earthenware plate. Dutch (Delft). 18th century. No. 1089–69.

BEQUEATHED BY THE LATE ARTHUR ASHPITEL, ESQ., F.S.A.

Two water colour drawings: "Rome as it was," and "Rome as it is," in gilt frames. Modern English. Nos. 237 and 238–69.

PRESENTED BY MISS BARRATT.

A gold brooch, in form of a basket of flowers, jewelled with pearls and brilliants. English. 18th century. No. 1726–69.

PRESENTED BY SIGNOR GIUSEPPE BASLINI.

Bronze medallion of the basilica and fountain of S. Maria in Trastevere, Rome. Italian. Dated 1663. No. 26–69.

Gilt wood frame for mirror or picture. Italian. 16th century. No. 515–69.

PRESENTED BY MONSIEUR BROCARD.

Glass panel, with design of birds and water plants. By M. Brocard. Modern French. No. 1780–69.

PRESENTED BY W. CARPENTER, ESQ.

Painting in water colours: The vale of Cashmere and the city of Srinuggur. Modern English. Painted by the donor. No. 1768–69.

PRESENTED BY A. CASELLA, ESQ.

Mosaic pavement, showing a reclining female and female heads; found at Balkis (Zeugma), on the Euphrates. Græco-Roman. About A.D. 200. Nos. 595 to 595*c*–69.

PRESENTED BY SIGNOR ALESSANDRO CASTELLANI.

Bust of Dante Alighieri; wax cast from a bronze in the National Museum, Naples. Italian. 15th century. No. 556–69.

PRESENTED BY THE REV. GREVILLE J. CHESTER.

Three doyleys woven with designs in colour. English. Early present century. No. 598 to 598*b*–69.

PRESENTED BY MONSIEUR C. CHRISTOFLE.

Bronze vase and cover, inlaid with silver. (Paris Exhibition, 1867.) No. 700–69.

PRESENTED BY THE TRUSTEES OF THE CHRISTY COLLECTION.

Two reeds, with incised lines in diaper patterns, used as earrings by the women of Paraguay. Modern South American. Nos. 1727, 1727*a*–69.

Box, circular gourd, carved with a scroll ornament similar to an early Keltic pattern. South African. No. 1704–69.

Portion of dress, as worn by the Dyaks of Borneo. Borneo. No. 1705–69.

Portion of a "Sazong" or belt. Said to come from the island of Flores, Asiatic Archipelago. No. 1706–69.

PRESENTED BY MONSIEUR E. COLLINOT.

Picture or mirror frame, enamelled earthenware in Persian style. Modern French. (Paris Exhibition, 1867.) No. 701.–69.

Bottle, enamelled earthenware, with Persian ornament. By E. Collinot. Modern French. No. 1781–69.

PRESENTED BY G. CUBITT, ESQ., M.P.

Basin, Wedgwood ware, painted with flowers and insects. Modern English. No. 419–69.

PRESENTED BY MONSIEUR T. DECK.

Plateau and vase, enamelled earthenware. By T. Deck. Modern French. Nos. 1783 and 1784–69.

PRESENTED BY THE EGYPTIAN COMMISSION FOR THE PARIS EXHIBITION OF 1867.

A bamboo cane, with designs of buildings scratched on the surface; and a model of a pleasure boat, belonging to the Viceroy of Egypt. Modern Egyptian. Nos. 693 and 694–69.

PRESENTED BY MONSIEUR A. FALIZE, *aîné*.

Four tablets of metal and cardboard, illustrating the process of making cloisonné enamels. Modern French. Nos. 1772 to 1772*c*–69.

PRESENTED BY M. GASTON FEUARDENT.

A collection of 15 electrotypes from Ancient Greek coins. Reproductions, 69–15 to 69–29.

PRESENTED BY DR. ALESSANDRO FORESI.

Two plaster busts; original models for the portraits of Benivieni and of Baron von Jenisen; the work of G. Bastianini. Modern Italian. Nos. 591 and 592–69.

PRESENTED BY MRS. FORTESCUE.

Engravings on wood, from the Buddhist temples, painted in body colours. Modern Chinese. Nos. 1770 to 1770*i*–69.

PRESENTED BY MRS. FIELD GIBSON.

Fan, vellum and carved ivory. French. Early 18th century. No. 1763–69.

Cup and saucer, Nankin porcelain. Nos. 1764, 1764*a*–69.

Snuff-box, tortoise shell, with representation of the arrival of the Royal Family of France at Paris, in 1789. French. 18th century. No. 1765–69.

Snuff-box, papier mâché, with medallion containing a paper model of a group of shipping. French. Present century. No. 1766–69.

PRESENTED BY MONSIEUR E. GUICHARD.

Cloth screen, painted with an archery group. In illustration of the method employed in the Middle Ages, the Renaissance, and Louis XIV. epochs. By M. E. Guichard. Modern French. No. 1785–69.

PRESENTED BY CHARLES HAWKINS, ESQ.

Bust, pearwood, carved with double portraits, male and female, on one body. English. Present century. No. 1771–69.

PRESENTED BY DR. HOOKER, C.B.

Silver clasp for cloak, ornamented with filigree and turquoises. Modern Indian (Thibet). No. 470–69.

Plaque, Roman mosaic, with group of a Sonnino peasant woman and boy. Italian. 18th century. No. 239–69.

Two robes, brown cloth and brown brocaded silk. Indian (Sikhim). Nos. 240 and 241–69.

PRESENTED BY J. JAMES, ESQ.

Tureen, cover and stand. Wedgwood earthenware. English. 18th century. No. 1767–69.

Appendix D.
REPORT BY MR. WALLIS.

PRESENTED BY MESSRS. J. KIRKMAN AND SONS.
Harpsichord; the work of Rucker of Antwerp. Flemish. Dated 1639. And harp, said to have belonged to Charles II. English. 2nd half of 17th century. Nos. 1739 and 1740–69.

PRESENTED BY MRS. MACKINLAY.
Fourteen pieces of English pottery and porcelain (Bristol, Leeds, Staffordshire, Wedgwood, Worcester, and Yarmouth). Of the 18th century. A portrait, in oil, of Dr. Andrew Ure, F.R.S., by D. MacNee, R.S.A. An Indian scarf. Nos. 216 to 220, 221, 421, and 1093 to 1101–69.

PRESENTED BY MR. MURRAY MARKS.
Seventeen leather panels for furniture, stamped and gilt. Spanish. 17th century. Nos. 471 to 487–69.

PRESENTED BY THEODORE MARTIN, ESQ.
Bust of Joseph George Holman, actor and dramatist, modelled in wax by Flaxman. No. 1118–69.

PRESENTED BY W. MORRIS, ESQ.
Bronze statuette of Hunooman, the monkey god of India. Indian (Ceylon). No. 275–69.

PRESENTED BY T. MUIR, ESQ.
Guitar, wood, varnished, in form of a fish, made and used by the natives of Madeira. Modern Portuguese. No. 183–69.

PRESENTED BY THE REV. JOSEPH MULLOOLY.
Twelve tesseræ of various marbles, from the pavement of the subterranean basilica of S. Clemente, Rome. Ancient Roman. No. 1725–69.

PRESENTED BY MRS. PALLISER.
Four specimens of modern French and one of Italian lace; a sample of the bark of the Jamaica lace-tree; and a modern Swedish napkin. Nos. 229 to 235–69.

PRESENTED BY MONSIEUR LÉON PARVILLÉE.
Enamelled earthenware tile. Modern French. No. 1748–69.

PRESENTED BY C. K. PROBERT, ESQ.
Six pieces of French and English silk, of the 18th century, and a piece of English embroidery, of the 17th century. Nos. 1741 to 1747–69.

PRESENTED BY THE ROYAL PRUSSIAN PORCELAIN MANUFACTORY.
Two painted porcelain vases. Modern Prussian. (Paris Exhibition, 1867.) Nos. 942 and 943–69.

PRESENTED BY MONSIEUR PULL.
Enamelled earthenware dish, in Palissy style. By M. Pull. Modern French. No. 1782–69.

PRESENTED BY SAMUEL REDGRAVE, ESQ.
Oil painting; Scipio receiving his son, who had been taken prisoner, from the ambassadors of Antiochus the Great; by G. Smith. Modern English. No. 39–69.

PRESENTED BY MRS. G. REW.
Mug, of Leeds earthenware. English. Date about 1770–80. No. 1092–69.

PRESENTED BY MONSIEUR J. ROUSSEAU.
Sixteen pieces of painted earthenware, dishes, &c. Modern French. (Paris Exhibition, 1867.) Nos. 695 to 699*k*–69.

PRESENTED BY MONSIEUR DE ROUVIERE.
Three drug vases of earthenware of Goult (Vaucluse). French. 17th century. Nos. 367 to 369–69.

PRESENTED BY THE RUSSIAN COMMISSION FOR THE PARIS EXHIBITION OF 1867.
Medallion, wood, carved with a saint kneeling in prayer; wooden fork, the handle carved with St. Sergius kneeling to the Virgin; and a clay lamp. Modern Russian. (Paris Exhibition, 1867.) Nos. 971 to 973–69.

PRESENTED BY MESSIEURS SALVIATI AND CO.
Mosaic head of the Virgin Mary, from the Basilica of S. Marco, Venice. Italian. 14th century. No. 167–69.

PRESENTED BY THE SATSUMA GOVERNMENT, JAPAN.

Three writing brushes, and an opium pipe; the stem of cane, the mouthpiece and bowl of brass. Modern Japanese. (Paris Exhibition, 1867.) Nos. 811 to 813-69.

PRESENTED BY MRS. LUARD SELBY.

Two pieces of embroidery; the work of the Countess of Derwentwater, whose husband was beheaded for his share in the Scottish rebellion of 1715. English. 18th century. Nos. 276 and 277-69.

PRESENTED BY MRS. SYKES.

Cup and saucer, Chinese porcelain. Nos. 1756, 1756a-69.

PRESENTED BY THE REV. SANDERSON TENNANT.

Two bottles, earthenware, found in a Peruvian tomb; a worsted cap, and a piece of embroidery. Ancient Peruvian. Nos. 1711 to 1714-69.

PRESENTED BY THE REPRESENTATIVES OF THE LATE MR. E. H WEHNERT.

Cartoon. Chalk, upon paper, entitled "The Triumph of Justice," by the late E. H. Wehnert. Modern British. No. 286-69.

PRESENTED BY R. WELLS, ESQ.

Hat. The leaf of the talipot tree (Ceylon), ornamented with scrolls and starry flowers in yellow leaf applied; covered with plates of talc. Cingalese. No. 294-69.

PRESENTED BY THE VERY REVEREND THE DEAN OF WESTMINSTER.

A plaster cast of the frieze of the altar of Henry VII.'s chapel, Westminster Abbey. Reproductions, 69-9.

PRESENTED BY THE REV. T. WILLIAMS.

Silver groat of Henry VII. Found near Cowbridge, Glamorganshire. English. Late 15th century. No. 259-69.

PRESENTED BY CAPTAIN WILMOT.

A jug and two vases, of earthenware. Ancient Mexican. Nos. 208 to 210-69.

TOWNSHEND BEQUEST.

COLLECTIONS BEQUEATHED BY THE REV. CHAUNCY HARE TOWNSHEND, M.A.

I.—OIL PAINTINGS, WATER-COLOUR DRAWINGS, &c.

OIL PAINTINGS BY OLD MASTERS.

Townshend Bequest. Paintings by old masters.

Artist.	Subject.	Reg. No.
Backhuysen, L.	Fishing Boats: a Roughish Sea	1359-69
Beich or Beisch, J. F.	Landscape: S. Peter in the Wilderness	1376-69
Breughel, J.	Landscape, with Boats on the Water	1375-69
Canaletto, A.	Ruined Bridge with Figures	1352-69
Canaletto, B.	Two Bridges with Figures	1353-69
Capella, J. Van Der	Sea Piece, with Fishing Boats and Fishermen	1348-69
Carracci, L.	The Virgin with the Infant Jesus and Saint Joseph	1357-69
Cignani, C.	A Paintress, with a Boy Angel or Cupid	1380-69
Claude Lorraine	Landscape, with Figures and Cattle	1345-69
Cocques, G.	Charles I. and his Queen, Henrietta-Maria. (After Vandyck)	1342-69
Conca, S.	Female Figure and Two Boy Angels	1346-69
Cuyp, A.	Fruit in a Basket on a Slab	1369-69
„	Piebald Horse	1374-69
„	Study of Cattle on a River Bank	1377-69
Denner, B.	Head of a Young Man	1372-69
Dietrich, C. W. E.	Rocky Landscape, with Herdsmen	1368-69
Dolce, Agnese	The Virgin with the Infant Jesus	1358-69

Appendix D.	Artist.	Subject.	Reg. No.
Report by Mr. Wallis. Townshend Bequest. Paintings by old masters.	Goyen, J. J. Van	River, with Fishermen	1356–69
	Koninck, P. Van	St. Martin and the Beggars	1364–69
	Lairesse, G.	The Return of the Victor with his Spoils	1362–69
	Mostert, or Mostaert, J.	Catherine de Medici	1381–69
	Moucheron, F.	Rocky Landscape with Waterfall and Figures	1351–69
	Neer, A. Van Der	The Ferry—Moonlight	1371–69
	Ostade, A. Van	Three Peasants seated, drinking and sleeping	1347–69
	,,	The Fiddler. (A Sketch)	1367–69
	Ostade, I. Van	Herdsman asking the Way, Cattle, &c.	1360–69
	Palamedes, A.	The Trumpeter	1350–69
	,,	Backgammon, or Tric-trac Players	1365–69
	Pynacker, A.	Landscape, with Waterfall	1343–69
	Raphael	The Virgin with the Infant Jesus and St. John	1344–69
	Rubens, P. P.	The Triumph of Saul	1341–69
	Schiavone, A.	An Embarkation	1361–69
	Schutz	Landscape, with Castle, Bridge, and Stream	1379–69
	Teniers, D., the Younger.	River and Rocky Scenery, with Cattle	1349–69
	Ulft, J. Van Der	Seaport and Triumphal Arch	1366–69
	Vandevelde, A.	Landscape, with Sportsmen shooting	1378–69
	Vandevelde, W., the Younger.	Putting to sea	1355–69
	Wynants, J.	Landscape: Herdsman seated on a Log	1370–69
	Unnamed	A Magdalen at her Devotions in a Grotto	1354–69

Oil Paintings by English Artists.

Paintings by English artists.	Boaden, J.	Rev. Chauncy Hare Townshend (the Donor)	1411–69
	,,	Constantine Sotērēs	1415–69
	Callcott, Sir A. W., R.A.	Landscape Sketch—Wood under a Stormy sky	1422–69
	Childe, E.	Moonlight—A Composition	1388–69
	Collins, C. A.	The Good Harvest of 1854	1394–69
	Collins, W., R.A.	Eel Pots	1383–69
	,,	Landscape. (The Gipsy Camp, by F. Goodall, R.A.)	1393–69
	,,	Crossing the Bridge	1418–69
	Constable, J., R.A.	Stacking Hay	1417–69
	Cranch, John	Playing with Baby	1406–69
	Cruikshank, G.	Cinderella	1405–69
	Danby, F., A.R.A.	The Upas, or Poison Tree of the Island of Java	1382–69
	Etty, W., R.A.	Study of a Man's Head	1390–69
	,,	Head of a Monk	1392–69
	,,	Study of the Nude Male Figure	1421–69
	Fielding, Copley, V.	Mountain Landscape	1408–69
	Fuseli, H., R.A.	Head of a Female. (Portion of the Picture representing the Dream of Queen Catherine. See Nos. 1386–7)	1385–69
	,,	Portion of a Picture representing the Dream of Queen Catherine. (Shakespeare, Henry VIII.)	1386–69
	,,	Portion of a Picture representing the Dream of Queen Catherine. (Shakespeare, Henry VIII.)	1387–69

Artist.	Subject.	Reg. No.	Appendix D.
Hering, G. E. -	Bridge over a Stream - - -	1399-69	REPORT BY MR. WALLIS.
Howard, H., R.A. -	Pygmalion - - - -	1397-69	
Jutsum, H. -	The Foot Bridge - - -	1419-69	Townshend Bequest.
Lindsay (?) -	Sunset - - - - -	1624-69	
Linnell, J. - -	Landscape: driving Cattle - -	1407-69	Paintings by English artists.
Martin, J. - -	Mountain Landscape, with Rocks -	1423-69	
Monamy, P. -	Vessels at Sea - - - -	1398-69	
Morland, G. -	Horses in a Stable - - -	1403-69	
" " -	Seashore: Fishermen hauling in a Boat -	1404-69	
Mulready, W., R.A.	The Pool - - - -	1389-69	
Niemann, E. J. -	Landscape: amongst the Rushes -	1396-69	
Oliver, W. - -	Foligno, in the Papal States - -	1384-69	
Reinagle, R. R., R.A.	Rydal Mountains: Stormy Day - -	1409-69	
Severn, J. - -	Scene from "Eloisa to Abelard." (Pope)	1400-69	
" - -	Mary, Queen of Scots, at Loch Leven Castle. (Scott) - - -	1402-69	
" - -	Ariel, "On the Bat's back I fly" - -	1410-69	
" - -	Nymph gathering Honeysuckle - -	1416-69	
Shayer, W., Sen. -	Buying Fish - - - -	1401-69	
Simpson, P. -	"I will fight" - - - -	1395-69	
Stanfield, C., R.A. -	Rocky Bay - - - -	1391-69	
Thompson, T. C., R.H.A.	Mrs. Elrington, formerly Miss Charlotte Townshend - - -	1425-69	
Townshend, Rev. C. H. (the Donor).	Blea Tarn, Cumberland - - -	1420-69	
Travers, G. -	Whitsand Bay, Devon—Rain passing off	1424-69	
Woodhouse, S. -	Rev. Chauncy Hare Townshend (the Donor) and his Sister Charlotte, as Children - - - -	1413-69	
-	Henry Hare Townshend, late of Busbridge, Surrey - - - -	1414-69	
Unnamed -	Henry Hare, third Lord Coleraine -	1412-69	

OIL PAINTINGS BY MODERN FOREIGN ARTISTS.

Baade, K. - -	The Wreck - - - -	1555-69	Paintings by Foreign artists.
" - -	Vessel in the Moonlight - - -	1579-69	
Bauer, A. - -	The Halt of the Travellers - -	1608-69	
Baugniet, C. -	The Seamstress - - - -	1564-69	
Bavoux - -	Besançon - - - -	1620-69	
Bocion, F. - -	Lake of Geneva - - - -	1563-69	
" - -	Poultry - - - - -	1584-69	
" - -	Feeding Ducks - - - -	1585-69	
" - -	Bird-catching - - - -	1586-69	
" - -	A Barge - - - -	1587-69	
" - -	Sailing Boat - - - -	1588-69	
" - -	Landscape—the Shore of a Lake -	1589-69	
" - -	Sailing Boat - - - -	1590-69	
" - -	Steamer on the Lake of Geneva -	1591-69	
" - -	The Embarkation - - -	1592-69	
" - -	Hauling the Boat - - -	1593-69	
" - -	Luggage Boat - - - -	1594-69	
" - -	Fishing - - - - -	1595-69	
" - -	Ladies in Conversation - - -	1622-69	
" - -	The Broom Maker - - -	1623-69	
Bonnet, F. - -	The Pantheon, Rome - - -	1597-69	
Bryner - -	Instruction - - - -	1625-69	
" - -	Landscape - - - -	1626-69	
" - -	Landscape - - - - -	1627-69	
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Appendix D.	Artist.	Subject.	Reg. No.
Report by Mr. Wallis. Townshend Bequest.	Calame, A.	The Lake of the Four Cantons (Lucerne), near Brunnen in the Canton Schwytz	1554-69
	„	Study from Nature	1607-69
Paintings by Foreign artists.	Clays, P. J.	Rocky Coast, with Fishing Boats	1578-69
	D'Angeli	The Vegetable Seller	1373-69
	Diaz, N.	Girl with Dog	1535-69
	Diday, F.	Study from Nature at Bex	1582-69
	Dupré, V.	Cows Drinking	1616-69
	Durck, F.	The Vesper Bell: the Young Reapers	1538-69
	Etzdorf	The Torrent	1556-69
	Georges, H. P.	St. Joire, Savoy	1603-69
	Hildebrandt, E.	Rainy Weather: Horses in a Stream	1539-69
	Hoguet	The Windmill	1551-69
	„	A Bridge	1561-69
	„	Boats by the Beach	1572-69
	„	Boat on Shore	1574-69
	Hornung	The Village Turner	1596-69
	„	The Dam	1614-69
	Hove, Hubert Van	The Listening Servant	1540-69
	Humbert, C.	Horses at Plough	1605-69
	Jacobs, J.	Hove down to Careen	1631-69
	„	Fishing Boat entering Harbour	1632-69
	Keyser, N. De	The Philosopher	1557-69
	Kirner	Playing at Soldiers (Roman Revolution, 1848)	1550-69
	Klombeck, J. B.	Trees in a Storm	1568-69
	Koekkoek, H.	Sea Piece	1558-69
	„	Sea Piece	1565-69
	Kunkler, A.	An Offer of Marriage (Savoy)	1609-69
	Lacaze, L.	The Young Student	1615-69
	Lasch, C.	The Separation or Quarrel between a Rhine Baron and his Son	1542-69
	Le Poittevin, E.	Rocky Coast—near Havre (?)	1570-69
	Leys, Baron H.	The Knight's Funeral	1560-69
	Libert, G. E.	Sunset on the Sea	1553-69
	„	Mountain Stream	1562-69
	„	Snow Scene: The Haunted House	1571-69
	„	Snow Scene: The Haunted House	1573-69
	„	Frost Scene: The Setting Sun	1577-69
	„	Coast Scene: Gulf of Lyons	1633-69
	Lugardon, A.	The White Cow	1544-69
	Lugardon, J. L.	The Wounded Man Halting. (The Landscape by A. Calame)	1606-69
	Luni	Sea Piece: Ships under Sail	1363-69
	Menn, B.	Children playing with a Lamb	1598-69
	„	Cherries	1599-69
	„	The Mist	1600-69
	„	The Spring	1601-69
	„	Catching Frogs	1602-69
	„	Cowherd	1611-69
	Mennet, L.	Sea View	1619-69
	Morgenstern, Chr.	Alpine Landscape	1546-69
	Müller, W.	Girl with a Lamb	1531-69
	Muyden, A. Van	A Monk	1618-69
	Rischgitz, E.	Vintage on the Banks of the Arve, near Geneva	1583-69
	Rosenthal, A.	The Footbridge	1575-69
	Rottmann, C.	The Bay of Aulis	1529-69
	Rousseau, T.	View in the Landes, South of France	1541-69
	Saint, M. R.	Spanish Coast Scene: Fishermen	1612-69

Artist.	Subject.	Reg. No.
Schelfhout, A.	Skating in Holland	1530-69
"	Near Haarlem	1576-69
Schleich, E.	Ploughing in Bavaria	1536-69
"	Deer at Dawn, near Munich	1537-69
"	Landscape	1559-69
"	Landscape	1566-69
"	Carrying Corn	1569-69
Schwer, G.	Girl gathering Sticks	1580-69
"	Dog Cart	1610-69
Steffan, J. G.	The Torrent	1545-69
Steinfeld	Landscape	1534-69
Steinlen, M.	Drawing Water	1628-69
Thurau	Lake Scene with Herons	1552-69
Vautier, B.	Snow Scene: Children leaving School	1604-69
Verboeckhoven, Eugène.	Watering the Cattle	1528-69
Verboeckhoven, E. J.	Ass and Lambs	1532-69
Verhas	Snow Scene	1549-69
Volmar, G.	Brigands Surprised	1547-69
"	The Captive	1548-69
Zimmermann, A.	Haymaking	1533-69
"	Lake of Constance	1567-69
Zimmermann, F.	Lake of the Engstlen Alp, Canton Berne, Switzerland	1581-69
Zwengauer, A.	Lake of Constance—Sunset	1543-69
Unnamed	Italian Lake	1613-69
"	Execution of Major Davel	1617-69
"	Rev. C. H. Townshend's Dog	1621-69

WATER-COLOUR DRAWINGS, &C. BY ENGLISH ARTISTS.

Bentley, C.	An old Breakwater on the Coast of Essex	1430-69
Brocky, C.	Girl at a Well	1469-69
"	Girl at a Window reading	1489-69
Callow, W.	Brig at anchor, and Boats alongside	1476-69
"	River Scene on the Thames	1495-69
Campion, G. B.	Boy with Rabbits	1501-69
Cattermole, G.	Hamilton of Bothwellhaugh about to assassinate the Regent Murray	1434-69
"	The Knight and the Lady	1449-69
"	Interior of a Church, Spain	1453-69
"	Interior of a Baronial Hall	1454-69
"	A Forest Glen	1465-69
"	Knight and Page	1503-69
"	The Silent Warning	1521-69
Chase, J.	Windmills by a River	1432-69
Cooper, T. S., R.A.	Sheep	1456-69
"	Landscape with Cattle	1522-69
Cox, David, Sen.	The Challenge—a Storm on the Moor	1427-69
"	On the Lune, Kirkby Lonsdale	1505-69
"	Windermere	1523-69
Crampton	Sea Beach	1509-69
Davidson, C.	Earlswood Common, Surrey	1471-69
Dewint, P.	Landscape	1480-69
Dodgson, G.	Interior of a Cathedral	1464-69
Fielding, Copley V.	The Rydal Mountains near the Head of Windermere	1483-69
"	Landscape	1484-69
"	The Langdale Pikes, from Windermere	1485-69

Appendix D.	Artist.	Subject.	Reg. No.
REPORT BY MR. WALLIS.	Fielding, Copley V.	View near Beddgelert, looking towards Moel Siabod	1496-69
Townshend Bequest.	"	Landscape	1524-69
	Fripp, A. D.	Wood Scene	1492-69
Water-colour drawings by English artists.	Fripp, G. A.	Landscape	1462-69
	"	Dover Cliffs	1463-69
	"	Landscape, Cottage and Stream, North Wales	1506-69
	Gilpin, Rev. W.	Landscape. (India ink)	1431-69
	"	Landscape. (India ink)	1433-69
	"	Landscape. (India ink)	1435-69
	"	Landscape. (India ink)	1450-69
	Haghe, Louis	Rustic Piety	1468-69
	Hardwick, W.	Upper Deal: Ramsgate, &c. in the Distance	1445-69
	"	Welsh Landscape	1467-69
	"	Landscape	1513-69
	Hering	Pond with Water Lilies	1500-69
	Holland, J,	Heath Scene	1490-69
	Hunt, Wm. Henry	Hawthorn Blossoms and Bird's Nest	1470-69
	"	The Doubtful Coin	1472-69
	"	Grapes and Peaches	1486-69
	"	Wild Roses and Bird's Nest	1502-69
	"	Primroses and Birds' Nests	1525-69
	Lindsay, N. W.	Landscape—"Drath Mawr"	1519-69
	Marshall, E.	Ruined Castle and Lake	1494-69
	Marshall, T. F.	The Coming Footstep	1459-69
	Mole, J. H.	At Tynemouth	1446-69
	Niemann, E. J.	Landscape—Sunset	1452-69
	"	Landscape—Evening	1479-69
	"	Landscape—Morning	1508-69
	Oakley, O.	Buy my Spring Flowers	1466-69
	Penley, A.	Crossing the Sands: early morning, low water	1429-69
	"	Lake Scene	1451-69
	"	Wood near Cheltenham	1458-69
	"	Approaching Evening—the Langdale Pikes from the Lake of Windermere	1493-69
	Prout, Samuel	Arch of Constantine	1473-69
	Prout, S. Gillespie	Landscape	1517-69
	Read, S.	"The Moated Grange." (Tennyson)	1428-69
	Richardson, T. M.	Ben Lomond, from the Hills between Arrochar and Tarbet	1460-69
	Roberts, D., R.A.	The Great Temple of Edfou, Upper Egypt	1461-69
	"	Pyramids from Old Cairo	1526-69
	Robson, G. F.	Loch Coruisk in the Isle of Skye, and the Cuchullin Mountains	1426-69
	Rowbotham, T. L.	The Wrecked Boat	1491-69
	"	Rouen, from St. Catherine's Hill	1504-69
	Rowbotham, T. L., jun.	Lake Scenery	1447-69
	"	St. Godard, Rouen	1507-69
	Severn, J.	The Death of Julian Avenel. (Scott)	1457-69
	Smith, J. R.	Mrs. Townshend, the Mother of Rev. C. H. Townshend. (Crayon)	1441-69
	"	Charlotte Townshend, the Sister of Rev. C. H. Townshend. (Crayon)	1442-69
	"	Rev. Joseph Townshend, of Pewsey, Wilts. (Crayon)	1443-69

Artist.	Subject.	Reg. No.	Appendix D.
Smith, J. R. -	Rev. Chauncy Hare Townshend, as a Boy. (Crayon) - - - -	1444–69	Report by Mr. Wallis.
Stanfield, Clarkson, R.A.	Coast Scene near Cromer - -	1474–69	Townshend Bequest.
Tayler, F. - -	Hawking Party crossing a Stream -	1527–69	
Tucker, E. - -	Dutch River Scene - - -	1515–69	Water-colour drawings by English artists.
Turner, J. M. W., R.A.	Bay of Spezia - - - -	1482–69	
Varley, J. - -	Rochester Castle - - -	1436–69	
„ - -	Lake Scene - - - -	1438–69	
„ - -	Lake Scene - - - -	1440–69	
„ - -	Mountain Scenery - - -	1448–69	
„ - -	Landscape - - - -	1455–69	
„ - -	Landscape - - - -	1481–69	
„ - -	Landscape - - - -	1497–69	
„ - -	Landscape - - - -	1498–69	
„ - -	Landscape - - - -	1510–69	
„ - -	Landscape - - - -	1512–69	
„ - -	Landscape - - - -	1520–69	
Varley, W. -	Bridge and Stream - - -	1437–69	
„ -	Mountain Stream and Bridge - -	1439–69	
„ -	Mountain Stream - - -	1518–69	
Vickers, A. G. -	River Scene - - - -	1488–69	
„ -	Church Door, Bakewell - - -	1514–69	
Weigall, C. H. -	Landscape - - - -	1477–69	
Westall, R., R.A. -	Landscape - - - -	1478–69	
Wilkie, Sir D., R.A.	Sir Robert Peel reading to the Queen -	1487–69	
Wyld, W. - -	Dresden - - - - -	1475–69	
Unnamed - -	Old Country House - - -	1499–69	
„ - -	Landscape - - - -	1511–69	
„ - -	La Tour de Peil, Lake of Geneva -	1516–69	

Water-colour Drawings, &c. by Foreign Artists.

Avourmois, T. -	Landscape - - - -	1703–69	Water-colour drawings by Foreign artists.
Block, E. De -	Boors in a Beershop - - -	1645–69	
Bocion, F. - -	Lake Scene - - - -	1669–69	
Bosboom, J. -	Interior of a Cathedral - - -	1667–69	
Braekeleer, F. De -	A Poor Family - - -	1638–69	
Calame, A. -	Chain of Mont Blanc - - -	1658–69	
„ -	Landscape - - - -	1693–69	
„ -	Forest near Chamonix - - -	1694–69	
„ -	Forest Scene - - - -	1695–69	
„ -	Wooded River Scene - - -	1696–69	
„ -	Mountain Scene near Chamonix - -	1697–69	
„ -	Mountains and Lake - - -	1698–69	
Courdouan, V. -	Coast near Toulon - - -	1652–69	
Delaroche, P. -	Oliver Cromwell. (Chalk) - -	1684–69	
Etzdorf, J. C. -	Landscape. (Charcoal) - - -	1681–69	
„ -	Landscape. (Charcoal) - - -	1682–69	
„ -	Lake Scene. (Charcoal) - -	1683–69	
„ -	River Scene. (Chalk) - - -	1702–69	
Fourmois, T. -	Landscape - - - -	1665–69	
Girard, P. - -	The Ford - - - - -	1641–69	
„ - -	Landscape - - - -	1659–69	
Gudin - -	Coast Scene - - - -	1649–69	
Héroult - -	Barges - - - - -	1636–69	
Hildebrandt, E. -	Dutch River Scene - - -	1661–69	
„ -	Santa Cruz, Rio de Janeiro - -	1662–69	
„ -	Landscape, Holland - - -	1670–69	
„ -	On the Somme - - - -	1689–69	

Appendix D.

REPORT BY MR. WALLIS.

Townshend Bequest.

Water-colour drawings by Foreign artists.

Artist.	Subject.	Reg. No.
Hildebrandt, E.	Sea View	1691-69
„	Landscape, with Boats	1692-69
„	The Needles, Isle of Wight	1700-69
Hoppenbrouwers, J. F.	Woodland Scene	1655-69
Houze, G.	Coast Scene	1647-69
Hubert	"Orteler Spitz," Tyrol	1672-69
Hübner	Market Place, Louvain	1673-69
Isabey	Fishing Boats beating to windward	1646-69
Jacobs, Jacob	Boat in Harbour	1639-69
„	A Seaport	1690-69
Jacops, Joseph	Coast Scene	1640-69
Klombeck, J. B.	Landscape—Winter	1685-69
Lamy, E,	Ball at the Hotel de Ville, Paris	1654-69
„	Mary Stuart, and the Dead Body of George Douglas	1663-69
Le Poittevin, E.	Old Woman and Child	1642-69
„	Landscape on the Dutch Coast	1648-69
Lherbes	Street View	1637-69
Menessier, A.	Landscape	1643-69
Morgenstern, Chr.	Mountain Torrent, Norway	1674-69
Müller, A.	Chapel of the Entombment	1653-69
Muyden, A. Van	Travelling Friar	1699-69
Neureuther, E.	Scene from Baron Zedlitz's Poem "Das Wald-Fräulein" (The Wood Maiden)	1634-69
„	"The Parson's Daughter" (Ballad by Bürger)	1678-69
„	Illustration of a Bavarian popular Song	1679-69
„	"The Water Lily" (Heine)	1680-69
Rochussen, C.	The Shores of Schevening	1651-69
Rottmann, C.	Landscape	1701-69
Rottmann, Leopold	Les Diablerets, Canton Valais	1660-69
Ruyten, Jean M.	Bruges	1664-69
Schelfhout, A.	Landscape—Winter Scene	1650-69
Schippers	The Fortune Teller	1644-69
Schleich, E.	Landscape, Switzerland	1671-69
„	Cornfield and Reapers	1687-69
Schnorr von Carolsfeld, Julius.	Rüdiger gives his Shield to Hagen. (Nibelungen Lied)	1675-69
„ „	Chriemhilda and Hagen. (Nibelungen Lied)	1679-69
„ „	Siegfried and Chriemhilda. (Nibelungen Lied)	1677-69
Seide	Isella, Simplon Pass	1668-69
Verreyt, J.	Landscape—Winter	1656-69
Wappers, Baron	Study for the Figure of an Angel. (Chalk)	1635-69
Werner	Italian Peasant Boy	1666-69
Zwengauer, A.	River Scene—Sunset	1657-69
„	River Scene—Sunset	1688-69
Unnamed	Head of the Sphinx. (Crayon)	1629-69
„	Portrait of a Lady. (Crayon)	1630-69
„	Lake of Geneva	1686-69

II. GEMS AND PRECIOUS STONES, CAMEOS, AND INTAGLIOS. (All mounted in Gold Rings, except where otherwise specified.)

Gems, precious stones, &c.

Diamond. In the native state. Claw setting on swing mount. No. 1172-69.

Diamond. Black brilliant, and fourteen rose diamonds. Coronet mount. No. 1173-69.

Diamond. Brilliant. Silver setting on gold shank. No. 1174-69.

Diamond. Green brilliant, with twelve other brilliants, double-cut. Silver and gold mount. No. 1175-69.

Diamond. Sea green brilliant, with six rose diamonds. Coronet mount. No. 1176-69.

Diamond. Yellow, with eight rose diamonds. Coronet setting. No. 1177-69.

Diamond. Pale puce brilliant, with twelve other small brilliants. Silver and open-work mount. No. 1178-69.

Diamond. Blue brilliant, with eighteen other brilliants. No. 1179-69.

Rock-crystal. Brilliant-cut. Coronet mount with silver claws. No. 1180-69.

Cairngorm. (Smoky quartz.) Coronet mount. No. 1181-69.

Cairngorm. Coronet mount. No. 1182-69.

Cairngorm. Claw mount. No. 1183-69.

Cairngorm. Coronet mount. No. 1184-69.

Cairngorm. With a "feather" (or film of minute cavities). Coronet mounted handle. No. 1185-69.

Cairngorm and Amethyst. (Twin-stone.) Plain mount. No. 1186-69.

Amethyst. With cavities containing movable fluid and floating bubbles. Swing mount. No. 1187-69.

Amethyst. Coronet mount. No. 1188-69.

Amethyst. Coronet mount. No. 1189-69.

Amethyst. Deep-coloured. Coronet mount. No. 1190-69.

Amethyst. Rich in colour and striped. Coronet mount. No. 1191-69.

Amethyst. Indian. Of a delicate tint, with thirty-seven rose diamonds. Open-work mount. No. 1192-69.

Quartz. Pale yellow. Carved as a monkey's head, with a rosy tint in the nose. Plain mount. No. 1193-69.

Burnt quartz. Light yellowish-green. Coronet mount. No. 1194-69.

Burnt quartz (?). Deep wine-colour. Coronet mount. No. 1195-69.

Plasma. Engraved with a cupid holding a butterfly over a torch. Plain mount. No. 1196-69.

Plasma. Engraved with a cupid resting on a staff. Plain mount. No. 1197-69.

Plasma. Engraved with two female figures. Coronet mount. No. 1198-69.

Chrysoprase. Plain mount. No. 1199-69.

Chalcedony. Green. Engraved with a laurel-wreathed head. Plain mount. No. 1200-69.

Chalcedony. Greenish-yellow. Plain mount. No. 1201-69.

Chalcedony. Yellowish-green. Chased mount. No. 1202-69.

Chalcedony. Clouded apple-green. Coronet mount. No. 1203-69.

Chalcedony. Sky-blue. Engraved with an Olympian Zeus. Plain mount. No. 1204-69.

Chalcedony. With green mica (green Avanturine quartz). Plain mount. No. 1205-69.

Agate. White, with a patch of brown. Coronet mount. No. 1206-69.

Agate. Light brown, with concentric lines. Coronet mount. No. 1207-69.

Onyx of Amethyst and Chalcedony. Cut into a panther in front. Engraved with Bacchante on back. Mounted as a double swing ring. No. 1208-69.

Onyx. Plain mount. No. 1209-69.

Eye-agate (onyx). Coronet mount. No. 1210-69.

Sardonyx. Brown, white, and black. Plain mount. No. 1211-69.

Carnelian. Engraved with oriental characters and foliage. Plain mount. No. 1212-69.

Moss-agate. Purplish. Coronet mount. No. 1213-69.

Mocha-stone. Claw mount. No. 1214-69.

Mocha-stone (or dendritic semi-opal). Grey mount. No. 1215-69.

Heliotrope or Bloodstone. Plain mount. No. 1216-69.

Cat's-eye. Honey-yellow. Coronet mount. No. 1217-69.

Cat's-eye. Pale. Plain mount. No. 1218-69.

Cat's-eye. Brownish, with twenty brilliants, and several rose diamonds. Set in silver on a gold shank. No. 1219-69.

Opal. Precious (Harlequin), with forty-six diamonds. Openwork mount. No. 1220-69.

Opal. Precious. Green, red, and yellow, with thirty-four diamonds on openwork mount, and three on each shoulder of the shank. No. 1221-69.

Opal. Enamelled coronet setting with six claws. A brilliant on each claw, and six brilliants on the hollows between the claws. No. 1222-69.

Opal. Precious. With twenty-four brilliants. Plain mount. No. 1223-69.

Opal. Precious, with sixteen rose-cut diamonds. Openwork mount. No. 1224-69.

Opal. Precious. Claw mount, with blue enamel. No. 1225-69.

Opal. Fire, with blue enamelled border on the setting. No. 1226-69.

Opal. Fire. Coronet mount. No. 1227-69.

Opal. Precious. Claw mount. No. 1228-69.

Opal. Light brown, and green (harlequin). Plain mount. No. 1229-69.

Opal. Pale pinkish-grey (hydrophane). Coronet mount. No. 1230-69.

Opal. Light purple. Simple mount. No. 1231-69.

Opal. Part white, part brown. Openwork mount. No. 1232-69.

Opal. Deep brown, with play of green colour. Coronet mount. No. 1233-69.

Opal. Blue and grey (with lapis-lazuli tint). Plain mount. No. 1234-69.

Semi-opal. Yellow, dendritic. Openwork mount. No. 1235-69.

Semi-opal. Yellow. Plain mount. No. 1236-69.

Fire-marble. Italian ("Lumachella"). Coronet mount. No. 1237-69.

Sapphire. Prismatic by a flaw. Coronet mount. No. 1238-69.

Sapphire. Deep blue, with six brilliants and four small rose diamonds. Wave-edged mount. No. 1239-69.

Sapphire. Blue, with two pear-shaped and ten small brilliants. Coronet mount. No. 1240-69.

Sapphire. Deep blue. Claw mount. No. 1241-69.

Sapphire. Deep blue. Coronet mount. No. 1242-69.

Sapphire. Star (Asteria). Plain mount. No. 1243-69.

Sapphire. Star. Deep blue with silky lustre, with forty-seven small diamonds. Silver setting on openwork mount. No. 1244-69.

Sapphire. Star. Pale blue, with two circles of diamonds, with others on each shoulder, altogether one hundred and four. Plain mount. No. 1245-69.

Sapphire. Star. Blue. Coronet mount. No. 1246-69.

Sapphire. Violet (Oriental amethyst), with forty brilliants and rose diamonds. Plain mount. No. 1247-69.

Sapphire. Amethystine. Coronet mount. No. 1248-69.

Ruby. With twelve brilliants. Openwork mount. No. 1249-69.

Ruby. Star (Asteria). Claw mount. No. 1250-69.

Ruby. Star, with thirty-three small brilliants. Openwork mount. No. 1251-69.

Ruby. Native polished, with two brilliants and ten small rose diamonds. Coronet mount. No. 1252-69.

Ruby. With twenty-two brilliants and two rose diamonds. Openwork mount. No. 1253-69.

Ruby. With twenty-two brilliants and two rose diamonds. Openwork mount. No. 1254-69.

Ruby. With eighteen brilliants and two rose diamonds. Openwork mount. No. 1255-69.

Corundum. Pale yellow ("Oriental topaz" of the jewellers). Coronet mount. No. 1256-69.

Corundum. White transparent ("Oriental topaz" of the jewellers). Coronet mount. No. 1257-69.

Corundum. Translucent, brownish, chatoyant, with a patch of grey light at one end, and iridescent by a flaw. Coronet mount. No. 1258-69.

Corundum. Wine-coloured, translucent, with sixteen rose diamonds. Swing mount. No. 1259-69.

Corundum. Wine-coloured, translucent, with thirty-four rose-cut diamonds. Plain mount. No. 1260-69.
Turquoise. Greenish tint. Cut with a female head in relief. Solid mount. No. 1261-69.
Turquoise. Rich blue, with thirty-four diamonds. Openwork mount. No. 1262-69.
Turquoise. With fourteen brilliants. Openwork mount. No. 1263-69.
Turquoise. In a broad, thick, plaited ring. No. 1264-69.
Turquoise. Deep blue. Solid mount. No. 1265-69.
Turquoise. Inlaid with border and irregular lines of gold. Coronet mount. No. 1266-69.
Kyanite (?). Pale violet, with oblique lines of cleavage. Claw mount. No. 1267-69.
Kyanite (?). Pale blue, with oblique lines of cleavage. Claw mount. No. 1268-69.
Carbuncle. With nine brilliants. Plain mount. No. 1269-69.
Carbuncle. Claw mount. No. 1270-69.
Almandine (precious garnet). Coronet mount. No. 1271-69.
Almandine. Engraved on the convex face with a faun. Plain mount. No. 1272-69.
Almandine. Dark. Claw mount. No. 1273-69.
Garnet. Precious, brown, with forty-seven rose-cut diamonds. Silver on openwork mount. No. 1274-69.
Garnet. Precious. Rich brown. Coronet mount. No. 1275-69.
Garnet. Precious. Cluster of seven stones. Plain mount. No. 1276-69.
Garnet. Amethystine (?), with forty-four rose diamonds. Silver on openwork mount. No. 1277-69.
Almandine. Claw mount. No. 1278-69.
Garnet. Deep wine-coloured. Coronet mount. No. 1279-69.
Cinnamon stone. "Choice garnet" and "hyacinth" of jewellers. Coronet mount. No. 1280-69.
Cinnamon stone. Coronet mount. No. 1281-69.
Cinnamon stone. Plain mount. No. 1282-69.
Emerald. Engraved with Oriental characters. Coronet mount. No. 1283-69.
Emerald. With thirty-six diamonds. Openwork mount. No. 1284-69.
Emerald. Star, showing six rays. Plain mount. No. 1285-69.
Beryl. With coronet-mounted handle. No. 1286-69.
Beryl. With coronet-mounted handle. No. 1287-69.
Aquamarine. Coronet-mounted handle. No. 1288-69.
Aquamarine. Coronet mount. No. 1289-69.
Aquamarine. Coronet mount. No. 1290-69.
Euclase. Rare. Coronet mount. No. 1291-69.
Labradorite. Claw mount. No. 1292-69.
Sunstone, or Avanturine felspar. Solid mount. No. 1293-69.
Moonstone, or Adularia Chatoyant, with a bluish-white light. Plain mount. No. 1294-69.
Obsidian. Wire coronet mount. No. 1295-69.
Crystal of Apophyllite. Truncated pyramid. Claw mount. No. 1296-69.
Chrysolite. Coronet mount. No. 1297-69.
Peridot. Claw mount. No. 1298-69.
Peridot. Plain mount. No. 1299-69.
Peridot. Engraved with a hermaphrodite and tree, and Greek inscription. Plain mount. No. 1300-69.
Peridot. Coronet mount. No. 1301-69.
Peridot. Solid mount. No. 1302-69.
Peridot. Coronet-mounted handle. No. 1303-69.
Chrysolite. Light yellowish-green. Coronet mount. No. 1304-69.
Chrysolite. Pale milky. Brilliant-cut. Plain mount. No. 1305-69.
Jacinth. Carved in high relief with a bust. Plain mount. No. 1306-69.
Jacinth. Coronet mount. No. 1307-69.

Appendix D.

REPORT BY MR. WALLIS.

Townshend Bequest.

Gems, precious stones, &c.

Topaz. White. Brilliant-cut. Coronet mount. No. 1308-69.
Topaz (?). Deep purplish pink. Table-cut, with thirty-four rose diamonds. Silver on openwork mount. No. 1309-69.
Topaz. Yellow. With thirty-six diamonds. Silver on openwork mount. No. 1310-69.
Topaz. Yellow. Coronet mount. No. 1311-69.
Topaz. Yellow. Coronet mount. No. 1312-69.
Topaz. Yellow. Coronet mount. No. 1313-69.
Topaz. Yellow. Claw mount. No. 1314-69.
Topaz. Brazilian. Pale bright brown. Coronet mount. No. 1315-69.
Topaz. Blue. Coronet mount. No. 1316-69.
Topaz. Pink. With thirty-six rose-cut diamonds. Silver on openwork mount. No. 1317-69.
Topaz. Burnt. Coronet mount. No. 1318-69.
Tourmaline. Blue. Coronet mount. No. 1319-69.
Tourmaline. Red (Rubellite). Coronet mount. No. 1320-69.
Tourmaline. Green. Coronet mount. No. 1321-69.
Tourmaline. Green. Claw mount. No. 1322-69.
Tourmaline. Green. Coronet mount. No. 1323-69.
Lapis Lazuli. Solid mount. No. 1324-69.
Spinel. Blue. With eighteen rose diamonds. Silver on openwork mount. No. 1325-69.
Spinel. With sixty-seven diamonds. Openwork mount. No. 1326-69.
Spinel. Step-cut. With thirty-six brilliants. Plain mount. No. 1327-69.
Chrysoberyl. Chatoyant (Cymophane). With whitish band of light, with sixteen diamonds. Silver on openwork mount. No. 1328-69.
Cymophane. Clear. Coronet mount. No. 1329-69.
Cymophane. With twenty-eight small brilliants. Claw mount. No. 1330-69.
Cymophane. Greenish brown. Coronet mount. No. 1331-69.
Cymophane. With a brilliant white band of light. Plain mount. No. 1332-69.
Cymophane. Dark green. With a band of bluish light. Coronet mount. No. 1333-69.
Malachite. Coronet mount. No. 1334-69.
Pyrites. Coronet mount. No. 1335-69.
Cat's-eye. Dark bluish green (Crocidolite). Coronet mount. No. 1336-69.
Pearl. Large. Whole. Accompanied by two pear-shaped brilliants, and ten smaller ones. Claw mount. No. 1337-69.
Pearl. Black. Whole. Claw mount. No. 1338-69.
Pearl. Cherry-pink. Whole. Claw mount. No. 1339-69.
Pearl. White. Whole. Claw mount. No. 1340-69.
Cameo. Onyx of three strata, with female head. Solid mount. Italian, cinque-cento. No. 1792-69.
Cameo. Onyx of two strata, with female head in high relief. Beaded mount. Antique Roman. No. 1793-69.
Cameo. Onyx of two strata, with Cupid in a biga. Plain mount. Antique Roman. No. 1794-69.
Cameo. Onyx of two strata, with Cleopatra holding the asp to her breast. Plain mount. Italian, probably 18th century. No. 1795-69.
Cameo. Onyx of four strata, with head of Jupiter Ammon. Plain mount. Italian, cinque-cento. No. 1796-69.
Cameo. Onyx of two strata, with head of Ajax in high relief. Plain mount. Italian (Roman), 18th century. No. 1797-69.
Cameo. Onyx of two strata, with head of Vespasian (?). Plain mount. Italian (Roman), 18th century. No. 1798-69.
Cameo. Red spotted chalcedony, with female head. Solid mount. Italian (Roman), 18th or 19th century. No. 1799-69.
Cameo. Shell, with female head. Chased mount. Italian (Roman), 19th century. No. 1800-69.
Cameo. Onyx of two strata, with head of Augustus. Solid mount. Antique Roman. No. 1801-69.

Cameo. Onyx of two strata, with head of a camel. Solid mount. Italian, cinque-cento. No. 1802-69.

Cameo. Onyx of two strata, with figure of Psyche. Plain mount. Italian (Roman), 19th century. No. 1803-69.

Cameo. Onyx of three strata, with female figure resting upon a column. Plain mount. Italian (Roman), 19th century. No. 1804-69.

Cameo. Onyx of two strata, with head of a female warrior. Plain mount. Italian (Roman), 18th century. No. 1805-69.

Cameo. Turquoise, with the Rape of Proserpine. Plain mount. Italian, 18th century. No. 1806-69.

Cameo. Onyx of two strata, with Hercules carrying the Cretan bull. Plain mount. Italian (Roman), 18th century. No. 1807-69.

Cameo. Onyx of three strata, with female head. Plain mount. Italian (Roman), 19th century. No. 1808-69.

Cameo. Onyx of two strata, with head of Claudius (?). Plain mount. Italian, 18th century. No. 1809-69.

Cameo. Onyx of two strata, with head of a negro. Coronet mount. Italian (Roman), 19th century. No. 1810-69.

Cameo. Onyx of two strata, with figure of a cat. Chased mount. Italian. 18th century. No. 1811-69.

Cameo. Onyx of two strata, with Cupid lighting his torch. Chased mount. Antique Roman. No. 1812-69.

Intaglio. Onyx of three strata, with a butterfly. Claw mount. Italian (Roman), 19th century. No. 1813-69.

Intaglio. Dark sard. With Persian inscription. Plain mount. Persian. No. 1814-69.

Intaglio. Carnelian. With a man in a biga. Plain mount. Antique Roman. No. 1815-69.

Intaglios (three). Nicolo onyx. Amaltheia, and two other figures. Shield-shaped mount. Rude Antique Roman. No. 1816-69.

Intaglio. Nicolo onyx. With a warrior and trophy of arms. Plain mount. Antique Roman. No. 1817-69.

Intaglio. Ribbon onyx of three strata, with figure of a griffin. Open mount. Antique Roman. No. 1818-69.

Intaglio. Nicolo onyx, with a boy and a bird. Coronet mount. Antique Roman. No. 1819-69.

Intaglio. Ribbon onyx of three strata, with Cupid in a boat. Coronet mount. Italian (Roman), 18th century. No. 1820-69.

Intaglio. Magnetic iron-ore, with gnostic figure of Anubis. Swivel mount. Antique Roman, 3rd century. No. 1821-69.

Intaglio. Sard. With figure of Mercury. Plain mount. Antique Roman. No. 1822-69.

Intaglio. Carnelian. With a man in a quadriga. Plain mount. Antique Roman, late work. No. 1823-69.

Intaglio. Carnelian. With figure of Omphale. Plain mount. Italian (Roman), 19th century. No. 1824-69.

Intaglio. Sard. With Glycon's Hercules. Plain mount. Italian (Roman), 18th century. No. 1825-69.

Intaglio. Green jasper. With figure of a scorpion. Plain mount. Italian (Roman), 18th century. No. 1826-69.

Intaglio. Chalcedony. With figure of a Greek warrior. Solid claw mount. Italian (Roman), 18th century. No. 1827-69.

Intaglio. Nicolo onyx. With figure of Omphale. Plain mount. Antique Roman. No. 1828-69.

Intaglio. Jasper. With a goat and satyr. Solid mount. Antique Roman. No. 1829-69.

Intaglio. Carnelian. With two horses. Solid mount. Italian (Roman), 18th century. No. 1830-69.

Signet ring. Gold. Enamelled, with shield of arms. Modern French (?). No. 1831-69.

Appendix D.

III.—Miscellaneous Objects.

Report by Mr. Wallis. Townshend Bequest.

Watch. Double gold case, with gold chain, seal, and key attached. Maker's name, "Fras. Perigal, London." English. Hall mark, 1786. (Stolen from the donor's father by Barrington, who was transported for the theft.) Nos. 1832, 1832*a*–69.

Mirror. The frame of stained lime-wood, richly carved in fruit, foliage, and shells, in high relief, by Grinling Gibbons. English, late 17th, or early 18th century. No. 1833–69.

List of objects purchased in 1869.

Classified List of Objects purchased for the Art Museum, 1869, alphabetically arranged.

Arms, Armour, and Accoutrements:

Horse trappings, saddle and crupper of green silk, ornamented with silver and silver-gilt filigree. Abyssinian. Price 100*l.* No. 212–69.

Powder flask, horn, with brass mounts and black nut on nozzle; brought from Abyssinia. German (?), present century. Price 10*s.* No. 190–69.

Powder flask, cow's horn, mounted in red and black leather and black and white woven grass. West African. Price 2*l.* No. 203–69.

Scabbard of a sword, leather, with applied ornament of pressed leather in allegoric groups and medallions. This belonged formerly to Cæsar Borgia, whose monogram "Cesare" is thrice repeated. Ascribed to Pollajuolo. Italian, date about 1500. Price 100*l.* No. 101–69.

Shield, wood, covered with canvas, painted with the battle of the Centaurs and Lapithæ, Scævola before Porsenna, and an equestrian combat. Italian, early 16th century. Price 100*l.* No. 774–69.

Sword, hilt silver-gilt and enamelled; presented to Lieut. F. Douglass for service done during the mutiny at the Nore. English, dated 1798. Price 15*l.* No. 274–69.

Tricker lock for a double-barrelled piece, steel, chiselled, openwork in foliated pattern. German, 17th century. Price 10*l.* No. 172–69.

Tricker Wheel Lock, steel openwork engraved with a combat of horse and foot. German, 17th century. Price 2*l.* 8*s.* No. 534–69.

Basket-work and other work in Vegetable Fibre:

Basket and cover, grass, coloured brown, red, and black; from the Niger districts. West African. Price 1*l.* 5*s.* No. 197–69.

Basket and cover, grass; from the Niger districts. West African. Price 10*s.* No. 198–69.

Mat, grass, woven and coloured in lozenge and zigzag patterns; from the Niger districts. West African. Price 1*l.* No. 204–69.

Mat, circular, grass, woven and coloured in spiral pattern; from the Niger districts. West African. Price 3*l.* 3*s.* No. 205–69.

Mat, circular, grass, woven and coloured concentric circles; from the Niger districts. West African. Price 1*l.* 10*s.* No. 206–69.

Bookbinding and Book-decoration generally:

Book, parchment MS. in Amharic, with illuminated headings, bound in red leather, in case; from a church in Magdala. Abyssinian. Price 10*l.* No. 185–69.

Book, parchment MS. in Amharic, bound in red leather. Abyssinian. Price 5*s.* No. 188–69.

Book cover, lacquer on wood, black and gold ground, with scroll foliage in blue. By C. Pfänder. Prize object from the Society of Arts competition, 1868. Modern German. Price 3*l.* 15*s.* No. 252–69.

Book cover, leather, stamped; on one side the Transfiguration, on the other the Saviour as Judge. German. 17th century. Price 12*l.* No. 1751–69.

Scroll, parchment MS. in Amharic, with coloured figures of angels. Abyssinian. Price 1*l.* No. 187–69.

Bottle, gourd painted with geometric and diaper pattern, red and yellow. West African. Price 1*l.* 1*s.* No. 201–69.

Bottle, gourd painted with geometric and diaper pattern, red and yellow. West African. Price 1*l.* No. 202–69.

Boudoir. The interior fittings of a sitting-room in a house in the Rue St. Louis, Paris, belonging to the Marquise de Serilly, Lady of Honour to Queen Marie Antoinette. French, latter half of 18th century. Price 2,100*l.* No. 1736–69.

Bowl and cover, gourd, with geometric pattern carved and burnt; from the Niger districts. West African. Price 1*l.* 10*s.* No. 199–69.

Bowl and cover, gourd, with carved geometric pattern; from the Niger districts. West African. Price 1*l.* No. 200–69.

Diptych, wood covered with stamped leather, ornamented with blue glass, containing six illuminations of the Passion. Italian, 13th century. Price 12*l.* No. 143–69.

Dress of an Icelandic bride, comprising bodice, petticoat, apron, girdle, jacket with collar, pelisse and neckerchief of cloth and velvet, and neck chain, shoulder chain, cross, medallions, and other ornaments, of silver-gilt filigree, &c. The materials of the dress are Danish, of the present century; the jewellery is Scandinavian or German, from the 14th to the 17th century. Price 105*l.* Nos. 258 to 258*l*–69.

EARTHENWARE (ANCIENT):

(*GREEK.*)

Vase, terra-cotta. The body reeded, the neck surrounded by a band of sphinxes. Ancient Greek. Price 6*l.* 4*s.* No. 138–69.

Vase terra-cotta. The body reeded, the neck surrounded by a band of various animals, and scroll ornament. Ancient Greek. Price 6*l.* 4*s.* No. 139–69.

Vase, terra-cotta. The body reeded, the neck surrounded by a band of centaur-like figures rudely executed. Ancient Greek. Price 6*l.* 4*s.* No. 140–69.

Vase, terra-cotta. The body reeded, the neck surrounded by a band of centaur-like figures rudely executed. Ancient Greek. Price 6*l.* 4*s.* No. 141–69.

EARTHENWARE AND STONEWARE, ENGLISH:

Bowl, black ware of Leeds, ornamented with acanthus leaves and groups in relief. English, latter part of 18th century. Price 1*l.* No. 222–69.

Bowl, black ware of Leeds, ornamented with olive leaves and groups in relief. English, latter part of 18th century. Price 16*s.* No. 223–69.

Group, Staffordshire ware, coloured; "The Vicar and Moses." English, early 18th century. Price 2*l.* 2*s.* No. 298–69.

Jug and cover, Staffordshire ware, mottled grey, blue and white, the rim octagonal. English, 18th century. Price 2*l.* 2*s.* Nos. 296, 296*a*–69.

Jug, Staffordshire ware; a puzzle jug; coloured foliage, with band, on which is a rhyming inscription. English, dated 1780. Price 4*l.* No. 301–69.

Punch barrel, Staffordshire ware, painted with flowers and musical trophies, surmounted by a statuette of Silenus, and standing on a pedestal. English, 18th century. Price 17*l.* 10*s.* No. 300–69.

Plate, Liverpool ware, with coloured transfer print of the Mill to grind Old People young. English, late 18th century. Price 14*s.* No. 295–69.

Plate, Staffordshire ware, with relieved figure of a mermaid in brown; name of the maker, Thomas Toft. English, late 17th century. Price 15*l.* No. 299–69.

Shaving dish, earthenware, painted with barber's implements and inscription on border. English, early 18th century. Price 1*l.* 9*s.* No. 297-69.

Slab, terra-cotta, painted in enamel, with Venus receiving the armour of Æneas from Vulcan. By J. B. Evans. Prize object from the Society of Arts competition, 1868. Modern English. Price 6*l.* 6*s.* No. 250-69.

Slab, black ware, painted in grisaille with a figure of Pluto, in black frame. By W. H. Slater. Prize object from the Society of Arts competition, 1868. Modern English. Price 8*l.* No. 251-69.

Statuette, Staffordshire ware; coloured figure of a man with head, wings, and tail of a turkey cock. English, 18th century. Price 3*l.* 9*s.* No. 303-69.

Vase, Wedgwood ware, blue granite ground sprinkled with gold, with white mouldings, masks, and festoons. English, late 18th century. Price 35*l.* No. 304-69.

Wine jug, Lambeth ware, white, inscribed in blue. English, dated 1652. Price 3*l.* 3*s.* No. 302-69.

EARTHENWARE AND STONEWARE, EUROPEAN:

(*DUTCH.*)

Dish, Delft ware, with conventional flowers in dark blue. Dutch, 18th century. Price 1*l.* No. 439-69.

Tiles (twelve), enamelled ware, pattern of quatrefoils and scroll work. Dutch, 17th century. Price 1*l.* 10*s.* No. 157 to 157*l*-69.

Tiles (twelve), enamelled ware, pattern of basket work, with flowers. Dutch, 17th century. Price 1*l.* 10*s.* No. 158 to 158*l*-69.

Vase, Delft ware, dark blue scrolls and flowers. Dutch, 18th century. Price 1*l.* 10*s.* No. 431-69.

(*FLEMISH.*)

Statuette, terra-cotta, Apollo playing on the lyre, by Scheemakers. Flemish, early 18th century. Price 50*l.* No. 247-69.

(*FRENCH.*)

Basket, Avignon ware, circular lattice work painted in chocolate. French, 17th century. Price 1*l.* 4*s.* No. 392-69.

Basket, Avignon ware, circular lattice work painted in chocolate. French, 17th century. Price 1*l.* No. 393-69.

Basket on stand, Avignon ware, lattice work filled with flowers. French, 17th century. Price 12*s.* No. 394-69.

Bowl and cover, Goult ware, painted with flowers. French, 17th century. Price 8*s.* Nos. 383, 383*a*-69.

Candlestick, Avignon ware, with twisted stem, painted with leaves and flowers. French, 18th century. Price 8*s.* No. 371-69.

Candlestick, Avignon ware, with twisted stem, painted with leaves and flowers. French, 18th century. Price 8*s.* No. 372-69.

Candlestick, Blois ware, with fish and masks in purple, orange, and green. French, 18th century. Price 1*l.* 12*s.* No. 547-69.

Candlestick, Blois ware, with mermen and masks in purple, orange and green. French, 18th century. Price 1*l.* 12*s.* No. 548-69.

Coffee pot and cover, Avignon marbled ware. French, 18th century. Price 1*l.* 4*s.* Nos. 380, 380*a*-69.

Coffee pot and cover, Marseilles ware, painted with figures, birds, and beasts. French, 17th century. Price 16*s.* Nos. 384, 384*a*-69.

Dish, Goult ware, painted with scroll pattern in blue. French, 17th century. Price 12*s.* No. 382-69.

Dish, Marseilles ware, painted with flowers in colours. French, 18th century. Price 2*s.* 2*d.* No. 375-69.

Dish, Marseilles ware, painted with flowers in colours. French, 18th century. Price 2*s.* 4*d.* No. 376-69.

Dish, Moustiers ware, painted with fantastic groups in green and yellow. French, 18th century. Price 1*l.* No. 389–69.

Dish, cover, and stand, earthenware, the dish in form of a trout, the cover surmounted with a lemon, the stand painted with fruits. French, 18th century. Price 5*l.* Nos. 428 to 428*b*–69.

Figure of a hen, earthenware, painted in colours. French, 18th century. Price 2*l.* 10*s.* No. 441–69.

Figure of a cock, earthenware, painted in colours. French, 18th century. Price 2*l.* 10*s.* No. 442–69.

Jug and cover, Apt ware, marbled brown and yellow, with cream-coloured flowers in relief. French, 18th century. Price 12*s.* Nos. 378, 378*a*–69.

Jug, Avignon ware, marbled brown and white. French, 17th century. Price 12*s.* No. 381–69.

Jug, Marseilles ware, painted with landscapes. French, 18th century. Price 1*l.* 16*s.* No. 387–69.

Plate, Marseilles ware, painted with figures, birds, and beasts. French, 17th century. Price 8*s.* No. 385–69.

Plate on foot, Nevers ware, painted with rococo scrolls and flowers in colours. French, late 17th century. Price 1*l.* No. 434–69.

Salt cellar, Avignon ware, dark brown. French, 18th century. Price 8*s.* No. 379–69.

Stand, with cover, for cut flowers, Moustiers ware, rococo style, painted with emblems and flowers in yellow on white ground. French, 18th century. Price 1*l.* 4*s.* No. 390–69.

Stand, with cover, for cut flowers, Moustiers ware, rococo style, painted with emblems and flowers in yellow on white ground. French, 18th century. Price, 1*l.* 4*s.* No. 391–69.

Vase, Avignon ware, with two handles, brown marbled. French, late 17th century. Price 8*s.* No. 370–69.

Vase, Marseilles ware, marbled brown and white. French, 18th century. Price 8*s.* No. 386–69.

Vase or "Seau," Tavernes (?) ware, with handles, painted with flowers in colours. French, 18th century. Price 12*s.* No. 373–69.

Vase or "Seau," Tavernes (?) ware, with handles, painted with flowers in colours. French, 18th century. Price 12*s.* No. 374–69.

Vase, earthenware, dark chocolate glaze, with rosettes in relief and painted medallions. South of France, 17th century. Price 5*l.* No. 593–69.

Watch stand, Marseilles ware, scrolls surmounted by an infant Bacchus, white with purple and green. French, 18th century. Price 2*l.* 8*s.* No. 377–69.

(*FRENCH, MODERN.*)

Candlestick, earthenware, with female figure on yellow stem, and white foliage on orange and yellow base. Modern French. (Paris Exhibition, 1867.) Price 3*l.* 10*s.* No. 711–69.

Dish, enamelled earthenware, painted by Mdlle. Lucy Reinvillier, aged 20, pupil of the Ecole Pratique des Arts Industriels pour les Jeunes Filles, Paris, kept by Mdlle. Eugénie Hautier. Modern French. Price 1*l.* 4*s.* No. 1790–69.

Dish, enamelled earthenware, painted by Mdlle. C. Lombard, aged 23, pupil of the Ecole Pratique des Arts Industriels pour les Jeunes Filles, Paris, kept by Mdlle. Eugénie Hautier. Modern French. Price 2*l.* 16*s.* No. 1791–69.

Panel, earthenware, painted with the return of the Spies from Canaan, the work of M. Rousseau. Modern French. Price 100*l.* No. 467–69.

Panel, enamelled earthenware; coloured design of Leda and the Swan. By Madame de Callias. Modern French. Price 2*l.* 16*s.* No. 1775–69.

Panel, enamelled earthenware; female figures struggling, in blue and white. By Madame de Callias. Modern French. Price 8*s.* No. 1776-69.

Deep plate, earthenware, white ground with masks and scroll foliage in rose colour; in centre a female head by J. Devers. Modern French. Price 6*l.* No. 171-69.

Plate, enamelled earthenware, blue and chocolate ground with sgraffiato flowers in cream colour. By M. Laurent Bouvier. Modern French. Price 4*l.* No. 1773-69.

Plate, enamelled earthenware, red ground with birds flying around a bamboo stem. By M. Laurent Bouvier. Modern French. Price 2*l.* No. 1774-69.

Tile, enamelled earthenware, painted by Mdlle. B. Matignon, aged 20, pupil of the Ecole Pratique des Arts Industriels pour les Jeunes Filles, Paris, kept by Mdlle. Eugénie Hautier. Modern French. Price 12*s.* 10*d.* No. 1788-69.

Tile, enamelled earthenware, painted by Mdlle. B. Michon, aged 21, pupil of the Ecole Pratique des Arts Industriels pour les Jeunes Filles, Paris, kept by Mdlle. Eugénie Hautier. Modern French. Price 12*s.* 10*d.* No. 1789-69.

Vase, enamelled earthenware, grey crackle with floral ornament, and panels of blue and gold. By E. Collinot. Modern French. Price 6*l.* No. 1779-69.

(*ITALIAN.*)

Bust, terra-cotta; portrait of Giacomo da Vignola, Italian architect (b. 1507, d. 1573). Italian (Florentine). 16th century. Price 45*l.* No. 120-69.

Bust, enamelled earthenware, imitation of Della Robbia ware. Alexander the Great. Modern Italian. Price 25*l.* No. 121-69.

Dish, Pesaro ware, blue and white, with the armorial shield of a cardinal. Italian, 17th century. Price 3*l.* No. 429-69.

Dish, shell-shaped, Savona ware, painted with blue flowers. Italian. 18th century. Price 3*l.* No. 432-69.

Dish, shell-shaped, Venetian ware, painted with flowers and colours. Italian, 18th century. Price 1*l.* 1*s.* No. 438-69.

Dish on foot, Venetian ware, painted in blue and yellow, with central figure and flowers. Italian, 18th century. Price 3*l.* 3*s.* No. 436-69.

Dish, Genoa ware, painted with basket of flowers and lattice-work. Italian, 18th century. Price 1*l.* No. 440-69.

Dish, earthenware, painted with mythologic subject in red camaïeu, with coloured shades, by G. Devers. Modern Italian. Price 6*l.* 6*s.* No. 447-69.

Drug vase and cover, Pesaro ware, white, painted with roses in colours, and inscribed, "Olio : Volpin." Italian, 16th century. Price 1*l.* 4*s.* Nos. 123, 123*a*-69.

Drug vase and cover, Pesaro ware, white, painted with roses in colours, and inscribed, "Sir : di Cedro." Italian, 16th century. Price 1*l.* 4*s.* Nos. 124, 124*a*-69.

Drug vase and cover, Pesaro ware, white, painted with roses in colours, and inscribed, "Cons : d'Assenz." Italian, 16th century. Price 1*l.* 4*s.* Nos. 125, 125*a*-69.

Drug vase and cover, Pesaro ware, white, painted with roses in colours, and inscribed, "Cons : di Grugnial." Italian, 16th century. Price 1*l.* 4*s.* Nos. 126, 126*a*-69.

Group, terra-cotta, four angels dancing, in high relief. Italian, 15th century. Price 7*l.* No. 152-69.

Group, terra-cotta, three angels dancing, in high relief. Italian, 15th century. Price 7*l.* No. 153-69.

Inkstand, Urbino ware, with warlike trophies in grisaille, surmounted by a statuette of a river-god. Italian, 16th century. Price 12*l.* No. 115-69.

Plate, maiolica, white, with blue ornament of a lion killing a horse; armorial shield in the border. Italian (Abruzzi), 16th century. Price 1*l.* No. 5-69.

Plate, maiolica, white, with blue ornament of Cupid riding on a dolphin; armorial shield in the border. Italian (Abruzzi), 16th century. Price 1*l.* No. 6-69.

Plate on foot, Savona ware, white with blue scroll work. Italian, 18th century. Price 3*l.* No. 430-69.

Plate, earthenware, light blue, with armorial shield in centre. Italian, 18th century. Price 1*l.* 5*s.* No. 435-69.

Plate, earthenware, blue flowers in centre. Italian, 18th century. Price 10*s.* No. 437-69.

Tureen and cover, Nove ware, with masks and scroll work in blue, the handles purple. Italian, 18th century. Price 3*l.* 3*s.* Nos. 433, 433*a*-69.

Vase and Cover, earthenware, painted with flowers; on the cover a nude child in bronze. Italian (Savona?), 18th century. Price 1*l.* Nos. 388, 388*a*-69.

(*SPANISH.*)

Vase, maiolica, painted with foliage ornament and shield of arms, seemingly of Sicily and Portugal. Spanish, late 15th century. Price 44*l.* No. 104-69.

Vase, maiolica, painted with foliage ornament and shield of arms, seemingly of Sicily and Portugal. Spanish, late 15th century. Price 44*l.* No. 105-69.

EARTHENWARE AND STONEWARE, ORIENTAL, INCLUDING AFRICAN:

(*PERSIAN.*)

Tile, enamelled earthenware, white and green flowers on blue ground. Persian. Price 2*l.* 4*s.* No. 159-69.

Tile, enamelled earthenware, white and green flowers on blue ground. Persian. Price 2*l.* 4*s.* No. 160-69.

Tile, enamelled earthenware, white and green flowers on blue ground. Persian. Price 1*l.* 12*s.* No. 161-69.

Tile, enamelled earthenware, yellow flowers on blue ground, Persian. Price 1*l.* 12*s.* No. 162-69.

Tiles (twelve fragments), enamelled earthenware; two diaper, and blue inscribed border; the rest with equestrian figures hawking. Persian. Price 4*l.* 12*s.* Nos. 163 to 163*m*-69.

ENAMELS, ENGLISH:

Bodkin Case, Battersea enamel, coloured landscapes on white latticed ground. English, 18th century. Price 2*l.* 10*s.* No. 572-69.

Bodkin Case, Battersea enamel, coloured landscapes on white latticed ground. English, 18th century. Price 2*l.* 10*s.* No. 573-69.

Box, Battersea enamel, landscape and flowers, gold mounted. English. 18th century. Price 12*l.* No. 577-69.

Box, Battersea enamel, Watteau groups and flowers, gold mounted. English, 18th century. Price 11*l.* No. 578-69.

Box, Battersea enamel, small groups and figures, silver mounted. English, 18th century. Price 2*l.* 10*s.* No. 581-69.

Box, Battersea enamel, printed landscape and coloured flowers on primrose ground, gold mounted. English, 18th century. Price 2*l.* No. 582-69.

Box, Battersea enamel, flowers on bright yellow ground, gold mounted. English, 18th century. Price 3*l.* No. 583-69.

Box, Battersea enamel, coloured figure subjects and female portrait inside the lid. English, 18th century. Price 2*l.* 10*s.* No. 585-69.

Appendix D.

REPORT BY MR. WALLIS.

Box, Battersea enamel, pink and black with coloured landscapes, gold mounted. English, 18th century. Price 7*l.* No. 587-69.

Box, Battersea enamel, a lady and gentleman on the lid, flowers on the sides. English, 18th century. Price 2*l.* 10*s.* No. 588-69.

Box, Bilston enamel, pink ground with coloured flowers in white compartments. English, 18th century. Price 1*l.* No. 589-69.

Box, Bilston enamel, yellow ground with coloured flowers in white compartments. English, 18th century. Price 1*l.* No. 590-69.

Double Box, Battersea enamel, with Watteau group, gold mounted. English, 18th century. Price 2*l.* 10*s.* No. 579-69.

Double Box, Battersea enamel, with painted figures, gold mounted. English, 18th century. Price 2*l.* 10*s.* No. 580-69.

Candlestick, Battersea enamel, stem violet spirals, the base with floral medallions on violet and gold. English, 18th century. Price 5*l.* No. 569-69.

Candlestick, Battersea enamel, stem violet spirals, the base with floral medallions on violet and gold. English, 18th century. Price 5*l.* No. 570-69.

Cup, Battersea enamel, pink festooned and bordered in gold. English, 18th century. Price 2*l.* No. 557-69.

Cup, Battersea enamel, pink festooned and bordered in gold. English, 18th century. Price 2*l.* No. 558-69.

Head of a Cane, Battersea enamel, pink ground with classic medallion groups. English, 18th century. Price 1*l.* 10*s.* No. 562-69.

Head of a Cane, Battersea enamel, pink ground with medallion landscapes. English, 18th century. Price 1*l.* No. 563-69.

Instrument Case, Battersea enamel, figure groups on blue and white flowered ground, silver mounted. English, 18th century. Price 3*l.* No. 571-69.

Patch Box, Battersea enamel, flowers, and a girl and bird on the lid, gold mounted. English, 18th century. Price 2*l.* No. 584-69.

Perfume Box, egg-shaped, Battersea enamel, with flowers on primrose ground. English, 18th century. Price 1*l.* No. 566-69.

Perfume Box, egg-shaped, Battersea enamel, with white ground. English, 18th century. Price 10*s.* No. 567-69.

Plaque, Battersea enamel, with group of Venus and Adonis, gilt metal frame. English, 18th century. Price 2*l.* No. 559-69.

Scent Case, Battersea enamel, flowers on white ground. English, 18th century. Price 1*l.* 10*s.* No. 574-69.

Scent case, Battersea enamel, pink with blue ribbons and medallion groups, internal fittings. English, 18th century. Price 3*l.* No. 586-69.

Sweetmeat Box, the lid forming a scent-bottle, Battersea enamel, landscapes and flowers on green ground. English, 18th century. Price 3*l.* No. 564-69.

Sweetmeat Box, the lid forming a scent-bottle, Battersea enamel, landscapes and flowers on pink ground. English, 18th century. Price 3*l.* No. 565-69.

Tazza, Battersea enamel, male and female figures on stand and foot of gilt metal. English, 18th century. Price 4*l.* 10*s.* No. 560-69.

Tazza, Battersea enamel, female figures, on stand and foot of gilt metal. English, 18th century. Price 4*l.* 10*s.* No. 561-69.

Tea Canister, Battersea enamel, landscapes with pink borders on white ground. English, 18th century. Price 5*l.* No. 575-69.

Tea Canister, Battersea enamel, landscapes with pink borders on white ground. English, 18th century. Price 5*l.* No. 576-69.

Vase on pedestal and Cover, Battersea enamel, medallions of Cupids and gold festoons. English, 18th century. Price 9*l.* No. 568-60.

(*ITALIAN.*)

Box and Cover, enamel on copper, painted with subjects from the Old Testament, mounted in silver. Italian (Venice), 18th century. Price 80*l.* Nos. 100, 100*a*-69.

ENAMELS, ORIENTAL :

(*CHINESE.*)

Pilgrim's Bottle, cloisonné enamel on copper, black ground and geometric gold pattern, with birds among flowering shrubs, carved wooden stand. Chinese. Price 100*l.* No. 599-69.

Pilgrim's Bottle, cloisonné enamel on copper, black ground and geometric gold pattern, with birds among flowering shrubs and group of hydrangeas, carved wooden stand. Chinese. Price 100*l.* No. 600-69.

FANS :

(*FRENCH.*)

Fan, the sticks of carved ivory, the body of silk painted with a female group, designed by Henri Picou. Modern French. Price 10*l.* 15*s.* No. 499-69.

Fan, the sticks of mother-o'-pearl, body of silk painted with a group of Cupids, by Tony Faivre. Modern French. Price 12*l.* 9*s.* 9*d.* No. 500-69.

Fan, the sticks of carved ivory, the body painted on vellum with the subject of Bacchus and Ariadne. French, 17th century. Price 14*l.* No. 531-69.

Fan, a design in water colours on kid leather, nymphs and Cupids alternating with vases, by J. Mazerolle. Modern French. Price 18*l.* No. 488-69.

Fan, a design in water colours on kid leather, the procession of La Rosiere, by A. Pascatti. Modern French. Price 14*l.* 8*s.* No. 489-69.

Fan, a design in water colours on kid leather, the Return Home, by Edouard de Beaumont. Modern French. Price 3*l.* 10*s.* No. 490-69.

Fan, a design in water colours on silk, a concert of Cupids, by Croun. Modern French. Price 3*l.* 10*s.* No. 491-69.

Fan, a design in water colours on silk, the chariot of Helios, by Emile Wattier. Modern French. Price 11*l.* No. 492-69.

Fan, a design in water colours on silk, the Queen of the Lilacs, by Edouard de Beaumont. Modern French. Price 11*l.* No. 493-69.

Fan, a design in water colours on silk, two seated female figures, by Henri Picou. Modern French. Price 3*l.* 10*s.* No. 494-69.

Fan, a design in water colours on silk, female groups, called The Golden Apples, by Henri Picou. Modern French. Price 8*l.* No. 495-69.

Fan, a design in water colours on silk, Cupids and captive nymphs, called "Love, chief of brigands," by Du Bouloz. Modern French. Price 4*l.* 10*s.* No. 496-69.

Fan, a design in water colours on kid leather, Alma Mater surrounded by nymphs and Cupids, by M. Widal. Modern French. Price 108*l.* No. 497-69.

Fan, a design in oil on vellum, Bacchus and Cupid playing at see-saw, by J. L. Hamon. Modern French. Price 36*l.* No. 498-69.

FURNITURE, UPHOLSTERY, &c. :

Arm Chair, chestnut wood, carved, seat and back of stamped leather. Italian, 16th century. Price 1*l.* 8*s.* No. 112-69.

Cabinet, pear wood, with marquetry of coloured woods, on four columns with base, bearing the Tudor rose and portcullis, the ends and exterior of the folding doors carved with battle pieces in high relief, the internal drawers with scriptural and allegoric subjects. English, late 15th century. Price 500*l.* No. 27-69.

Case for a Lute, wood, covered with close pattern of gilt fleur-de-lys, with the letter G between arrows, said to have belonged to Gabrielle d'Estrées. French, 16th century. Price 8*l.* No. 529-69.

Chair, mahogany, carved by Sheraton, covered with crimson damask. English, 18th century. Price 8*l.* 8*s.* No. 45-69.

Chair, mahogany, carved by Sheraton, covered with crimson damask. English, 18th century. Price 8*l.* 8*s.* No. 46-69.

Chair, walnut wood, inlaid with ivory in serpentine marquetry. Italian (Venice), 16th century. Price 4*l.* 16*s.* No. 279-69.

Chest and Cover, wood, painted with the figure of St. Jerome and the early history of our Lord. Italian, 15th century. Price 20*l.* Nos. 154, 154*a*-69.

Coffer, oakwood, the panels carved with intersecting circles, lozenges, and flowers. Flemish, 17th century. Price 13*l.* 10*s.* No. 1750-69.

Coffer, walnut wood, inlaid with other woods and stained bone, with the shield of the Medici in relief. Italian, 16th century. Price 12*l.* No. 424-69.

Marriage Coffer, chestnut wood, painted with scale pattern and armorial shields, the front gilt and carved with sphinxes, leaf mouldings, and a combat of warriors mounted and on foot. Italian (Lucca), date 1511. Price 43*l.* No. 278-69.

Coffret, wood, covered with crimson velvet, gilt copper mounts, a marriage present by Cardinal de Rohan. French, 18th century. Price 14*l.* No. 528-69.

Cradle, oakwood, panelled, with carved head-board. English, dated 1641. Price 6*l.* No. 1769-69.

Inkstand, ebony, carved with masks and frieze of hard wood in high relief and figure of a triton resting on a shell, executed by Luigi Frullini of Florence. Modern Italian. Price 40*l.* No. 280-69.

Screen, pinewood, ten Corinthian columns with pedestals and entablature. English, 18th century. Price 18*l.* No. 191-69.

Table, walnut wood, with marquetry of limewood in scrolls and medallions, containing figures of the cardinal virtues and Pagan deities. Italian, 16th century. Price 90*l.* No. 102-69.

Table, folding leaves on trestles of wood, ornamented with patterns in ivory. Italian, early 16th century. Price 44*l.* No. 236-69.

Marriage Tray, wood, painted in tempera on both sides by Dello Delli, the Triumph of Love, and a shield of arms encircled by a festoon of fruits. Italian, 16th century. Price 30*l.* No. 144-69.

GLASS, EUROPEAN:

(*FRENCH*).

Panel, stained glass, design of a mediæval domestic group. By M. Leon Ottin. Modern French. Price 12*l.* No. 1786-69.

Salver, glass, clear, enamelled in gold and colours. By M. Brocard. Modern French. Price 7*l.* 4*s.* No. 1778-69.

Vase, glass, bottle-shaped, painted with grasses, water, and insects, to imitate an aquarium. Modern French. Price 1*l.* No. 503-69.

Vase, glass, bottle-shaped, painted with grasses, water, and insects, to imitate an aquarium. Modern French. Price 1*l.* No. 504-69.

Vase, glass, enamelled in interlaced design of gold and colours. By M. Brocard. Modern French. Price 7*l.* 4*s.* No. 1777-69.

(*ITALIAN.*)

Bowl, glass, ruby-coloured, white glaze inside; manufactured by Salviati and Co. Modern Italian (Venice). Price 12*s.* No. 164-69.

Ewer, glass; spiral stripes of white, blue, and avanturine; manufactured by Salviati and Co. Modern Italian. (Venice.) Price 1*l.* 8*s.* No. 165-69.

Goblet, glass, pale blue, on tall stem of transparent openwork, with blue flowers; manufactured by Salviati and Co. Modern Italian (Venice). Price 2*l.* 8*s.* No. 166-69.

(*SWISS.*)

Panel, painted glass, with two warriors in half armour, one bearing a standard, and events from Roman history. Swiss, 16th century. Price 9*l.* No. 549-69.

Panel, painted glass, with two warriors in half armour, one bearing a standard, and events from Roman history. Swiss, 16th century. Price 9*l.* No. 550-69.

Panel, painted glass, with two warriors in half armour, one bearing a standard, and two achievements of Samson. Swiss, dated 1543. Price 9*l.* No. 551-69.

Panel, painted glass, with two warriors in half armour, one bearing a standard, and two events from Roman history. Swiss, dated 1543. Price 9*l.* No. 552-69.

GOLDSMITHS' WORK, ENGLISH:

Beaker, silver, with bold design of flowers in low relief. English, hall marked 1064. Price 25*l.* No. 51-69.

Mace, silver, belonging formerly to the Corporation of Cork. The knop ornamented with cardinal virtues in relief, the head with armorial shields surmounted by a royal crown. English, dated 1696. Price 73*l.* 10*s.* No. 31-69.

Sack bottle or jug, stoneware with handle, the foot, neck, and hinged lid of silver, embossed and engraved; on the neck a shield bearing initials. English, 17th century. Price 75*l.* No. 214-69.

Sack bottle or jug, stoneware with handle, the foot, neck, and hinged lid of silver parcel-gilt, embossed with masks and foliage; hall mark 1697. English, 17th century. Price 75*l.* No. 215-69.

Salver or bowl, silver gilt, with handles, alternate lobes ornamented with flowers in beaten work. English, early 18th century. Price 30*l.* No. 243-69.

Tea Urn, silver, vase-shaped, with chased scallop shells, the spout in form of a sea monster; hall mark 1809. English. Price 90*l.* No. 244-69.

Vase, silver, with floral design in sunk and dotted outlines; grotesque masks on the handles. English, hall mark 1699-1700. Price 25*l.* No. 52-69.

Vase, silver, with floral design in sunk and dotted outlines; grotesque masks on the handles. English, hall mark 1699-1700. Price 25*l.* No. 53-69.

GOLDSMITHS' WORK, EUROPEAN:

(*FRENCH.*)

Pastoral Staff, gilt metal, the crook, knop, and socket ornamented with lizards and serpent in enamel, in the volute a group of the Annunciation. French (Limoges), 13th century. Price 50*l.* No. 195-69.

Picture Frame, silver, filigree work of flowers and leaves, intended for a sacred picture. Old French (Normandy). Price 1*l.* 10*s.* No. 95-69.

Picture Frame, silver, filigree work of flowers and leaves, set with red stones, intended for a sacred picture. Old French (Normandy). Price 1*l.* 10*s.* No. 96-69.

(*GERMAN.*)

Band, silver, with medallions of the seasons in low relief, and openwork arabesque medallion. German, 16th century. Price 10*l.* No. 54-69.

Carving, silver, openwork. A Corinthian portico, under which are two figures at an altar; upon the cornice stands a vase with festoons of foliage, chased. German, 18th century. Price 10*l.* No. 55-69.

Cross, rock crystal, mounted in gold enamel, on ebony pedestal, in which are set a garnet and a turquoise. German, 17th century. Price 15*l.* No. 469-69.

Statuettes, six, silver gilt, angels bearing scrolls, books, and candelabra, decorative figures for an oratory or similar object. German, early 16th century. Price 8*l.* Nos. 28 to 28*e*-69.

Tankard and Cover, jasper, with handle and rim of coloured enamel. German, early 17th century, Price 24*l.* No. 544-69.

(*ITALIAN.*)

Plaque, silver, with cavalry combat in high relief, beaten and chased, probably a decoration from a casket. Italian, 16th century. Price 4*l.* No. 108-69.

Table top, wood, coated with silver plaques of beaten work: the Triumph of Galatea, the Judgment of Paris (after Raphael), recumbent figures of Venus and Juno, and armorial shields supported by boys. Italian, 16th century. Price 15*l.* No. 1-69.

Appendix D. REPORT BY MR. WALLIS.

GOLDSMITH'S WORK, ORIENTAL (INCLUDING AFRICAN):

(*ABYSSINIAN.*)

Chain, imbricated links of silver with handle of silver-gilt filigree, a leading rein. Abyssinian. Price 20*l.* No. 213–69.

Spoon, sacramental, silver, the handle cruciform and engraved, with a group of the Crucifixion. Abyssinian. Price 1*l.* No. 186–69.

IVORY, CARVED AND ENGRAVED:

Cabinet on stand, ivory, with figures of birds and trees, and three drawers. Modern Japanese. Price 20*l.* No. 40–69.

Comb, ivory, carved with foliage, and with representations of David and Bathsheba, and the Judgment of Paris. German, 16th century. Price 40*l.* No. 468–69.

Knives, fourteen, the handles of ivory, carved with portrait figures, crowned and jewelled, of the following Sovereigns of England, viz., Henry I., Richard I., Henry III., Edward III., Richard II., Henry V., Edward IV., Edward V., Richard III., Henry VII., Henry VIII., Edward VI., Queen Elizabeth, and James I. English, dated 1607. Price 410*l.* Nos. 453 to 466–69.

Knife, Fork, and Spoon, the handles of carved ivory, representing infant Bacchanalian groups. Italian ? 17th century. Price 40*l.* Nos. 7, 7*a*, 7*b*–69.

Plaque, ivory, carved, with figures under a gothic arcade. French, 15th century. Price 10*l.* No. 242–69.

JEWELLERY:

Anklet, silver, with incised ornament, worn by soldiers. Abyssinian. Price 1*l.* No. 1731–69.

Anklets, a pair, "Khulkhal," silver, hoops of solid metal with polygonal heads. Modern Egyptian. Price 3*l.* Nos. 1104, 1104*a*–69.

Anklet, "Khulkhal," silver, chased in quatrefoil pattern. Modern Egyptian. Price 2*l.* No. 1115–69.

Bracelet, silver, nine cones separated by disks. Abyssinian. Price 1*l.* No. 189–69.

Bracelet, one of a pair, silver, with silver-gilt filigree. Abyssinian. Price 6*l.* the pair. No. 1728–69.

Bracelet, one of a pair, silver, with silver-gilt filigree. Abyssinian. Price 6*l.* the pair. No. 1728*a*–69.

Bracelets, a pair, "Asawir," silver-gilt, openwork chains attached to a hinged bar. Modern Egyptian. Price 3*l.* 10*s.* Nos. 1109, 1109*a*–69.

Bracelets, a pair, "Asawir," silver, chased with projecting studs. Modern Egyptian. Price 2*l.* Nos. 1112, 1112*a*–69.

Bracelets, a pair, "Asawir," silver, rings hung with bells. Modern Egyptian. Price 1*l.* Nos. 1113, 1113*a*–69.

Bracelets, a pair, "Asawir," silver-gilt, corded hoop hung with coins. Modern Egyptian. Price 4*l.* No. 1114–69.

Breast ornament and slide, gold openwork set with crystals; from the knot is suspended the Holy Dove, bearing a spray set with coloured pastes, worn by the French peasants. French, 17th century. Price 18*l.* 4*s.* Nos. 264, 264*a*–69.

Breast ornament and slide, silver openwork set with crystals; from the knot is suspended the Holy Dove bearing a spray set with coloured pastes, worn by the French peasants. French, 17th century. Price 10*l.* 18*s.* 6*d.* Nos. 265, 265*a*–69.

Breast ornament and slide, gold openwork set with crystals; from the knot is suspended the Holy Dove bearing a spray set with white pastes, worn by the French peasants. French, 17th century. Price 5*l.* 8*s.* 10*d.* Nos. 266, 266*a*–69.

Breast ornament, gold openwork set with crystals; from the knot is suspended the Holy Dove bearing a spray set with coloured pastes, worn by the French peasants. French, 17th century. Price 6*l.* No. 267–69.

Cross, silver openwork set with crystals, worn by the French peasants. French, 17th century. Price 2*l.* 11*s.* 4*d.* No. 270–69.

Cross, silver openwork set with crystals, worn by the French peasants. French, 17th century. Price 1*l.* 19*s.* 8*d.* No. 271–69.

Cross, silver, with embossed scrolls and inscriptions, the arms ending in curved ornaments decorated with studs. Russian, 17th or 18th century. Price 1*l.* 10*s.* No. 508–69.

Cross, silver parcel gilt, embossed with inscriptions. Russian, 17th or 18th century. Price 1*l.* 10*s.* No. 509–69.

Cross, silver, chased, the ends of the cross trefoil-shaped and ornamented with studs. Russian, 17th century. Price 2*l.* 5*s.* No. 510–69.

Cross, silver, engraved with inscriptions and decorated with studs. Russian, 17th century. Price 2*l.* 5*s.* No. 511–69.

Cross, silver, engraved with inscriptions and surrounded with openwork. Russian, 17th century. Price 1*l.* 4*s.* No. 512–69.

Cross, silver-gilt, engraved with the Cross of our Lord and the sacred monogram. Russian, 17th century. Price 3*l.* 15*s.* No. 513–69.

Cross, silver, partially oxidised, ornamented with the Cross of our Lord and the sacred monogram. Russian, 17th century. Price 2*l.* 5*s.* No. 514–69.

Cross and locket, gold openwork set with pastes, the locket heart-shaped, worn by the peasants of Normandy. French, 17th century. Price 18*l.* 4*s.* Nos. 261, 261*a*–69.

Cross and locket, gold openwork set with pastes, the locket knot-shaped. Price 18*l.* 4*s.* Nos. 262, 262*a*–69.

Cross and slide, gold, set with crystals, worn by the peasants of Picardy. French, 17th century. Price 3*l.* 12*s.* Nos. 263, 263*a*–69.

Crucifix, gold, the figure in white enamel, at the back a heart surrounded by thorns in coloured enamels. French, early 16th century. Price 5*l.* 16*s.* No. 260–69.

Earring, one of a pair, silver wire in a double scroll. Abyssinian. Price 1*l.* 10*s.* the pair. No. 1730–69.

Earring, one of a pair, silver wire in a double scroll. Abyssinian. Price 1*l.* 10*s.* the pair. No. 1730*a*–69.

Earrings, a pair, "Halak," silver, pear-shaped with ribbed ornament. Modern Egyptian. Price 1*l.* Nos. 1105, 1105*a*–69.

Earrings, a pair, "Halak," silver, crescent-shaped, with lozenge and bell pendants. Modern Egyptian. Price 2*l.* Nos. 1106, 1106*a*–69.

Earrings, a pair, "Halak," silver, with corded and barrel-shaped ornaments. Modern Egyptian. Price 2*l.* Nos. 1107, 1107*a*–69.

Earrings, a pair, "Halak," silver-gilt, triangles with five globes attached below. Modern Egyptian. Price 1*l.* 10*s.* Nos. 1108, 1108*a*–69.

Earrings, a pair, gold openwork set with crystals, in three divisions, worn by the French peasants. French, 17th century. Price 5*l.* 9*s.* 8*d.* Nos. 268, 268*a*–69.

Earrings, a pair, gold openwork set with crystals, in two divisions, worn by the French peasants. French, 17th century. Price 3*l.* 12*s.* Nos. 269, 269*a*–69.

Earrings, a pair, gold openwork branches, set with crystals, the mounting chased on the back, from Arica, S. America. Spanish, 17th century. Price 21*l.* Nos. 417, 417*a*–69.

Girdle, damasked velvet with bossed ornaments of turquoises in cloisonné mounts, surrounded by coloured stones, smaller ornaments of a similar character, and silver gilt clasp set with turquoises. Persian. Price 24*l.* No. 542–69.

Girdle Clasp, silver, encrusted with silver-gilt filigree foliage and central boss. Albanian, 17th century. Price 8*l.* No. 543–69.

Girdle Clasps, a pair, silver, embossed openwork. Old French (Normandy). Price 1*l.* 8*s.* Nos. 91, 91*a*–69.

Appendix D.

REPORT BY MR. WALLIS.

Girdle Clasps, a pair, silver, embossed openwork. Old French (Normandy). Price 14*s.* Nos. 92, 92*a*–69.

Girdle Clasps, a pair, silver, heart-shaped centres, chased. Old French (Normandy). Price 14*s.* Nos. 93, 93*a*–69.

Girdle Clasps, a pair, silver, heart-shaped embossed openwork. Old French (Normandy). Price 10*s.* Nos. 94, 94*a*–69.

Horn, silver, with spread eagles, fish, leaves, part of the head dress worn by the Druse women. Syrian. Price 4*l.* 4*s.* No. 501–69.

Inkhorn, silver parcel gilt, with embossed floral ornament, to be worn at the girdle. Modern Egyptian. Price 5*l.* No. 1117–69.

Jewel, gold, with busts of the Queen and Prince Consort, on enamel ground surrounded by dolphins, design for a decoration of a new order of merit. Designed by T. Gamble, and executed by J. Phillips. Modern English. Price 21*l.* 9*s* 6*d.* No. 177–69.

Jewel, gold enamelled badge of the order of the Garter, the figures in coloured enamels, the garter and motto blue and gold. Said to have belonged to Thomas Wentworth, Earl of Strafford. English, 17th century. Price 100*l.* No. 273–69.

Necklace, twisted leather bound with silver wire, with glass beads, worn by the Galla women. Abyssinian. Price 10*s.* No. 1729–69.

Necklace, "Ekd," silver-gilt, oblong links and triangular ends, joined by openwork rings, with pendants. Modern Egyptian. Price 4*l.* 10*s.* No. 1110–69.

Necklace, "Ekd," silver-gilt, twisted links with central crescent-shaped ornament of filigree, and similar ends, hung with coins. Modern Egyptian. Price 4*l.* No. 1111–69.

Necklace, silver, links of crystals, joined by silver-gilt leaves, with pendent chain, knot, and cross. Old French (Bretagne). Price 11*l.* 17*s.* No. 99–69.

Neck Ornament, "Hegâbs," silver, cylindric tubes and oblong box with embossed ornament, joined by chains, worn as amulets by Egyptian ladies. Modern Egyptian. Price 2*l.* No. 1102–69.

Neck Ornament, gold openwork; from the knot hangs a Holy Dove bearing a branch, set with stones. Old French (Rouen). Price 8*l.* No. 87–69.

Neck Ornament, silver openwork; from the knot hangs a Holy Dove bearing a branch, set with stones. Old French (Rouen). Price 2*l.* 5*s.* No. 88–69.

Neck Ornament, silver openwork; from the knot hangs a Holy Dove bearing a branch, set with stones. Old French (Rouen). Price 2*l.* 2*s.* No. 89–69.

Neck Ornament, silver openwork; from the knot hangs a Holy Dove bearing a branch, set with stones. Old French (Rouen). Price 2*l.* 2*s.* No. 90–69.

Neck Ring, "Tok," silver, a hoop of solid metal fastening with a hook and eye. Modern Egyptian. Price 1*l.* 10*s.* No. 1103–69.

Pendent Cross, gold openwork, set with crystals. Old French (Normandy). Price 7*l.* 10*s.* No. 68–69.

Pendent Cross, gold openwork, set with crystals. Old French (Lower Normandy). Price 3*l.* 12*s.* No. 71–69.

Pendent Cross, gold openwork, set with crystals. Old French (Lower Normandy). Price 2*l.* 5*s.* No. 72–69.

Pendent Cross, gold openwork, set with crystals. Old French (Lower Normandy). Price 3*l.* 5*s.* No. 73–69.

Pendent Cross, gold openwork set with crystals. Old French (Lower Normandy). Price 2*l.* No. 74–69.

Pendent Cross, gold, set with crystals. Old French (Lower Normandy). Price 2*l.* 10*s.* No. 75–69.

Pendent Cross, gold, set with small crystals. Old French (Lower Normandy). Price 18*s.* No. 76–69.

Pendent Cross, silver openwork, set with crystals. Old French (Lower Normandy). Price 2*l.* 10*s.* No. 77–69.

Pendent Cross, silver openwork, set with crystals. Old French (Lower Normandy). Price 1*l.* 5*s.* No. 78–69.

Pendent Cross, silver openwork, set with crystals. Old French (Lower Normandy). Price 1*l.* 5*s.* No. 79–69.

Pendent Cross, silver openwork, set with crystals backed with crimson foil. Old French (Lower Normandy). Price 1*l.* 6*s.* No. 80–69.

Pendent Cross, silver openwork, set with crystals. Old French (Lower Normandy). Price 1*l.* 4*s.* No. 81–69.

Pendent Cross, silver, set with crystals backed with crimson foil. Old French (Lower Normandy). Price 1*l.* 1*s.* No. 82–69.

Pendent Cross, silver, set with crystals. Old French (Lower Normandy). Price 1*l.* 5*s.* No. 83–69.

Pendent Cross, silver openwork, set with crystals. Old French (Lower Normandy). Price 1*l.* 10*s.* No. 84–69.

Pendent Cross, silver openwork, set with crystals. Old French (Lower Normandy). Price 18*s.* No. 85–69.

Pendent Cross, silver openwork, set with crystals. Old French (Lower Normandy). Price 15*s.* No. 86–69.

Pendent Cross and Locket, gold; the locket heart-shaped with foliage tracery, the cross embossed. Old French (Normandy). Price 4*l.* 16*s.* No. 58–69.

Pendent Cross and Locket, gold; the locket heart-shaped with sunflower and tracery, the cross embossed. Old French (Normandy). Price 5*l.* 10*s.* No. 59–69.

Pendent Cross and Locket, gold; the locket heart-shaped with flowers and tracery, the cross embossed. Old French (Normandy). Price 3*l.* 15*s.* No. 60–69.

Pendent Cross and Locket, gold; the locket heart-shaped with flowers and tracery, the cross embossed. Old French (Normandy). Price 3*l.* 15*s.* No. 61–69.

Pendent Cross and Locket, gold openwork, set with small crystals, the locket circular. Old French (Rouen). Price 2*l.* 10*s.* No. 62–69.

Pendent Cross and Locket, gold openwork, tracery pattern set with crystals. Old French (Rouen). Price 4*l.* 10*s.* No. 63–69.

Pendent Cross and Locket, gold openwork, tracery pattern set with crystals. Old French (Rouen). Price 4*l.* 4*s.* No. 64–69.

Pendent Cross and Locket, gold openwork, tracery pattern set with crystals. Old French (Rouen). Price 2*l.* 13*s.* No. 65–69.

Pendent Cross and Locket, gold openwork, tracery pattern set with crystals. Old French (Rouen). Price 3*l.* 3*s.* No. 66–69.

Pendent Cross and Locket, gold openwork, tracery pattern set with crystals. Old French (Rouen). Price 6*l.* 6*s.* No. 67–69.

Pendent Cross and Locket, gold openwork, set with crystals. Old French (Normandy). Price 14*l.* No. 69–69.

Pendent Cross and Locket, silver openwork, set with crystals, the locket of interlaced knot pattern. Old French (Normandy). Price 6*l.* No. 70–69.

Pendent Cross and Locket, gold openwork, set with crystals, the locket heart-shaped. Old French (Normandy). Price 11*l.* 12*s.* No. 97–69.

Pendent Cross and Star, silver openwork, set with crystals. Old French (Normandy). Price 3*l.* 15*s.* No. 98-69.

Veil Fastener, silver-gilt, with wire and serrated hoops. Modern Egyptian. Price 1*l.* No. 1116-69.

LACQUER WORK:

(*JAPANESE, MODERN.*)

Bowl and Cover, wood lacquered, gold running pattern with brown transparent colour. Modern Japanese (?) Price 1*l.* 17*s.* 6*d.* Nos. 287, 287*a*-69.

LEATHER WORK:

Tankard or Black Jack, leather, with rim of silver slightly ornamented, bearing an inscription. English, early 17th century. Price 12*l.* No. 50-69.

METAL WORK:

Bowl and Ewer, copper gilt, with embossed and engraved ornament. Moorish, 17th century. Price 4*l.* 10*s.* Nos. 49, 49*a*-69.

Bracket, wrought iron, with scrollwork foliage surmounted by a lion holding a key. French, 17th century. Price 12*l.* No. 545-69.

Bracket, wrought iron, with scrollwork foliage. French, 17th century. Price 8*l.* No. 546-69.

Bracket Candlestick, bronze, the socket supported on the head of an angel, the lower part ornamented with scroll foliage. Italian, 16th century. Price 10*l.* No. 118-69.

Bracket Candlestick, bronze, the socket supported on the head of an angel, the lower part ornamented with scroll foliage. Italian, 16th century. Price 10*l.* No. 119-69.

Bucket for Holy Water, bronze, with foliage, mask and escutcheon in beaten work. Italian, 17th century. Price 16*s.* No. 110-69.

Bust, aluminium bronze, Apollo. Modern English. Executed by Messrs. Elkington and Co. Price 2*l.* 8*s.* No. 9-69.

Table Clock, the case, face, and back plate of silver, chased and in openwork, parcel gilt; maker's name, "Paulet, London." English, late 17th century. Price 60*l.* No. 420-69.

Travelling Clock, gilt metal, engraved, in stamped and gilt leather case of the period. French, 17th century. Price 20*l.* Nos. 535, 535*a*-69.

Coffer, steel, pierced in floriated pattern upon a ground of coloured enamels, the handle of the key of perforated steel. German, 17th century. Price 9*l.* Nos. 48, 48*a*-69.

Coffret, steel damascened with gold, birds, foliage, and medallion hunting subjects. Persian, late 15th century. Price 4*l.* 16*s.* No. 103-69.

Door Knocker, bronze, in form of two dolphins, with female figure placed above a shell. Italian. 16th century. Price 8*l.* No. 13-69.

Door Knocker, bronze, a winged female sphinx, on a scroll of foliage. Italian. 16th century. Price 8*l.* No. 14-69.

Door Knocker and Escutcheon, bronze, the handle terminating in two lions' heads; the escutcheon an open-mouthed mask. Italian. 16th century. Price 4*l.* No. 15-69.

Ewer with Cover, brass, the handle and spout formed by two monsters. Flemish, 15th century. Price 15*l.* No. 538-69.

Ewer with Cover, brass, the handle and spout formed by two monsters. Flemish, 15th century. Price 15*l.* No. 539-69.

Ewer with Cover, brass, the handle and spout formed by two monsters. Flemish, 15th century. Price 10*l.* No. 540-69.

Fanlight, wrought iron, with scrollwork and foliage, and monogram surmounted by a helmet resting on drapery. French, 17th century. Price 12*l.* No. 553-69.

Fanlight, wrought iron, with scrollwork, foliage, and monogram. French, 17th century. Price 6*l.* 8*s.* No. 554-69.

Fire Dogs, a pair, iron, with masks, satyrs, bulls' heads, and other figures in relief, and statuettes of Mars and Bellona. Italian, 16*th* or 17th century. Price 60*l.* Nos. 423, 423*a*–69.

Group, bronze, Atlas supporting the globe, on which is seated the infant Hercules strangling the serpents. Italian, 16th century. Price 8*l.* No. 16–69.

Handle of a Parasol, steel, carved and damascened with flowers in gold. French, 18th century. Price 3*l.* 4*s.* No. 533–69.

Key, steel chiselled, the handle of pierced work with cipher and coronet. French, 17th century. Price 15*l.* No. 184–69.

Knocker, bronze, a female demi-figure between two hounds, above which is a shield of arms supported by two nude youths. Italian, 16th century. Price 20*l.* No. 422–69.

Lantern and Case, brass openwork, engraved, with plates of talc, and the crown, monogram, and supporters of Prince Christian VII. of Denmark; the case of iron, brass mounted. Danish, 18th century. Price 10*l.* Nos. 537, 537*a*–69.

Medallion, bronze, in frame of gilt bronze, bust to the right of Pope Alexander VII. Italian, dated 1663. Price 12*l.* No. 25–69.

Medallion, steel, female bust to the right; by G. Morgan. Prize object from the Society of Arts competition, 1868. Modern English. Price 5*l.* 5*s.* No. 254–69.

Medallion, copper, obverse only, Minerva encouraging youth in the pursuit of Fame; the work of T. M. Moser. Swiss, dated 1707. Price 5*l.* No. 596–69.

Mortar, bronze, with ring of dancing boys bearing spoils of the chase between two armorial shields. Italian, 16th centy. Price 16*l.* No. 10–69.

Mortar, bronze, with ornament of armorial shields beneath foliated canopies, and inscriptions. Italian, dated 1468. Price 24*l.* No. 11–69.

Panel, bronze gilt, circular, with subject of the Martyrdom of St. Paul. Italian, 16th century. Price 20*l.* No. 111–69.

Panel, bronze, with mythologic subjects in high relief; signed Thomire. French, early present century. Price 40*l.* No. 541–69.

Plaque, bronze, the Virgin and Child, with *nimbi*, cast and chased. Italian. 15th century. Price 4*l.* No. 23–69.

Plaque, bronze, half-length figure in low relief of Louis XIV. in armour, in wooden frame. French, 17th century. Price 50*l.* No. 33–69.

Plaques (six), copper, enamelled with village subjects in deep rose camaïeu, lozenge-shaped. Italian (Venice), 17th century. Price 12*l.* No. 168–69.

Plaque, copper, embossed in low relief with a branch of ivy in frame. By C. Atkins. From the South London Working Classes Exhibition, 1869. Modern English. Price 2*l.* 2*s.* No. 256–69.

Pricket Candlestick, bronze, on tripod foot formed by three demi-figures ending in scroll-work; three winged boys above, one of whom bears the three nails of the Passion. Italian, 16th century. Price 12*l.* No. 116–69.

Pricket Candlestick, bronze, on tripod foot formed by three demi-figures ending in scroll-work; three winged boys above, one of whom bears the Column of Scourging. Italian, 16th century. Price 12*l.* No. 117–69.

Processional Cross, brass, quatrefoil centre surrounded with openwork circle of crosses, with socket. Abyssinian. Price 3*l.* No. 1732–69.

Processional Cross, brass, central cross within an openwork quatrefoil, surrounded by other crosses. Abyssinian. Price 3*l.* No. 1733–69.

Salver, copper, with group of mythologic figures in centre, the border formed of Cupids and foliage with a group of Hercules and Omphale at one side. An electro reproduction. Italian, 16th century. Price 4*l.* No. 526–69.

Scissors, a pair, steel, damascened with gold in foliated pattern. Italian, 16th century. Price 2*l.* No. 113–69.

Scissors, a pair, steel, damascened with gold in foliated pattern. Italian, 16th century. Price 2*l.* No. 114–69.

Shoe Horn, bronze, damascened with gold, with scroll foliage; the handle chiselled in form of a dragon's head. Italian, 16th century. Price 18*l.* No. 24-69.

Shovel, wrought iron, with bronze handle of a demi-figure in armour. Italian, 16th century. Price 10*l.* No. 423*c*-69.

Spout of a Fountain, bronze, terminating in a dog's head. French, 16th century. Price 4*l.* No. 530-69.

Stand for Hot Ashes or "Braciera," copper, with scroll and perforated work; in front an armorial shield with bishop's hat. Italian, 16th or 17th century. Price 2*l.* 10*s.* No. 151-69.

Stand for Hot Ashes, on pedestal, copper, with hammered ornament of gadroons on the vase and imbricated scales on the pedestal. Italian, 17th century. Price 12*l.* No. 555-69.

Statuette, bronze, a youth bearing a basket of grapes, which a dog is eating, and leaning on a stem, on pedestal. Italian, 16th century. Price 8*l.* No. 106-69.

Statuette, bronze, a winged dragon. Italian, 16th century. Price 12*l.* No. 109-69.

Stew Pan, bronze, on three feet, with ring of foliage ornament in relief. French, 17th century. Price 8*l.* No. 536-69.

Tongs, wrought iron, with bronze handle of a demi-figure in armour. Italian, 16th century. Price 10*l.* No. 423*b*-69.

Vase, bronze, the body ornamented with eagles and foliage; above is a band of figures representing the triumph of Bacchus, the handles formed by a nymph and a demi-satyr, on a pedestal of gilt wood. Italian, 17th century. Price 80*l.* No. 137-69.

Vase and Cover, bronze damascened with silver, the shape that of a flask with curved neck, the cover a monster's head holding a chain in its beak, Persian, 13th century. Price 32*l.* Nos. 288, 288*a*-69.

MOSAICS, MARQUETRY, &c.:

Panel, marquetry of inlaid woods, representing our Lord after the scourging, with a female (possibly the Virgin) looking on sorrowfully. Spanish, dated 1661. Price 10*l.* No. 41-69.

Plaque, Florentine mosaic or *pietra dura*, portrait bust of the Duke della Rovere in low relief of coloured marbles, on green marble ground. Italian, 16th century. Price 2*l.* 10*s.* No. 145-69.

Plaque, Florentine mosaic or *pietra dura*, portrait bust of the Duchess della Rovere in low relief of coloured marbles, on green marble ground. Italian, 16th century. Price 2*l.* 10*s.* No. 146-69.

Table Top, Florentine mosaic, composed of lapis, carnelian, and other decorative stones in pattern of vases of flowers and strapwork; probably from the Grand Ducal Mosaic Establishment, Florence. Italian, 18th century. Price 300*l.* No. 449-69.

MUSICAL INSTRUMENTS:

Claveçin, the case of wood, japanned and painted with Chinese groups in gold lacquer, the stand of carved and gilt wood. Made by Pascal Taskin, Paris. French, dated 1786. Price 80*l.* No. 1121-69.

Clavichord, ebony, Renaissance scroll ornament in gold, and carved keys; the work of Marco Iadra. Italian, dated 1568. Price 150*l.* No. 155-69.

Clavichord, pinewood, carved scroll moulding and inlaid keys; the work of Annibale of Milan, probably Annibale dei Rossi. Italian, dated 1555. Price 150*l.* No. 156-69.

Dulcimer, wood, painted and gilt, with outer case of wood, painted with a group of Apollo and the Muses, surrounded by Renaissance scroll-work and with diaper pattern of flowers. Italian, 17th century. Price 20*l.* No. 4-69.

Dulcimer, in frame of black wood, unornamented. Italian, 17th century. Price 2*l.* 10*s.* No. 147-69.

Flageolet, "flute à bec," tortoiseshell incrusted with crown, armorial shields, and other ornaments in gold, the mouthpiece ivory. Italian, middle of 18th century. Price 24*l.* No. 1124–69.

Flute or Trumpet, "cornetto curvo," ivory, retaining the natural curve of the tusk. Italian, early 16th century. Price 10*l.* No. 1123–69.

Harp-lute, wood, japanned and ornamented with painted floral border. Made by Light of London. English. Early present century. Price 3*l.* No. 1737–69.

Lute, ivory, the finger-board backed by marquetry of rosewood, and bent at a right angle. Italian. Early 18th century. Price 40*l.* No. 1125–69.

Oboe, ivory, carved with foliated ornament and ring of dancing figures; the work of Anciuti, of Milan. (Rossini Collection.) North Italian. Latter half of 18th century. Price 40*l.* No. 1127–69.

Quinterna or Chiterna, tortoiseshell, incrusted with mythologic subjects in ivory, and set with precious stones. Made by Joachim Tielke, Hamburg. German, dated 1539. Price 30*l.* No. 1122–69.

Theorbo, ivory, with finger-board ornamented with incised landscapes, and backed with marquetry of rosewood; the work of Matteo Sellas, of Venice. Italian. Early 18th century. Price 40*l.* No. 1126–69.

Violin and Bow, wood, the back carved with scroll work, and the royal shield of Great Britain and Ireland, with supporters, said to have belonged to King James I. English, early 17th century. Price 15*l.* No. 34–69.

MISCELLANEOUS:

Opium Pipe, Case, and Pouch, the pipe of cane mounted in white metal with gilt ornament; the case and pouch of wood varnished, with metal ornaments in relief of water plants and insects. Modern Japanese. Price 4*l.* 4*s.* Nos. 366 to 366*b*–69.

PAINTINGS, DRAWINGS, &c.:

(*ENGLISH.*)

Painting, enamel on glass, the Fall of Nineveh, after Martin, in wooden frame. Modern English. Price 25*l.* No. 207–69.

Painting, enamel on porcelain, the death of Goliath, in gilt frame. By J. Eyre. Prize object from the Society of Arts' competition, 1868. Modern English. Price 5*l.* 10*s.* No. 255–69.

Miniature Portrait, Viscount Newark, by R. Cosway, R.A., framed. English, early present century. Price 10*l.* No. 176–69.

Painting, oil on canvas, part of the ruins of Whitby Abbey, by Alfred Morgan, in gilt frame. Modern English. Price 9*l.* No. 56–69.

Painting, water colour on paper, flowers and butterflies. Prize object in a competition for fan designs, by Miss Matilda Austen, Oxford School of Art. Modern English. Price 1*l.* 10*s.* No. 329–69.

Painting, water colour on silk, hartstongue ferns and flowers on gold ground. Prize object in a competition for fan designs, by Mrs. F. Broadley, Bridport School of Art. Modern English. Price 2*l.* 10*s.* No. 332–69.

Painting, water colour on silk, wreath of various coloured verbenas. Prize object in competition for fan designs, by Miss Maria Brooks, Central Schools, South Kensington. Modern English. Price 2*l.* No. 336–69.

Painting, water colour on silk, grasses, bluebells, and butterflies. Sent to competition for fan designs, by Miss Louisa Colfax, Bridport School of Art. Modern English. Price 2*l.* 10*s.* No. 333–69.

Painting, water colour on silk, ivy wreaths, berries, and butterflies. Prize object in a competition for fan designs, by Miss Jessie Field, Oxford School of Art. Modern English. Price 1*l.* 10*s.* No. 328–69.

Painting, water colour on silk, border of roses and other flowers. Prize object in a competition for fan designs, by Miss Georgiana M. Greenlees, Glasgow School of Art. Modern Scottish. Price 2*l.* No. 330–69.

Appendix D.

REPORT BY MR. WALLIS.

Painting, water colour on silk, maiden's-hair fern and forget-me-not. Prize object in competition for fan designs, by Miss Anne Grose, Central Schools, South Kensington. Modern English. Price 1*l.* 15*s.* No. 337-69.

Painting, water colour on silk, wreath of poppies and cornflowers. Prize object in competition for fan designs, by Miss Charlotte James, Bloomsbury School of Art. Modern English. Price 3*l.* No. 339-69.

Painting, water colour on silk, wreaths of twining flowers. Sent to competition for fan designs by Miss Fanny M. Minns, Central Schools, South Kensington. Modern English. Price 2*l.* 10*s.* No. 334-69.

Painting, water colour on silk, wreath of convolvulus and blackberries. Prize object in competition for fan designs, by Miss Fanny M. Minns, Central Schools, South Kensington. Modern English. Price 1*l.* 15*s.* No. 335-69.

Painting, water colour on silk, wreath of ivy leaves and berries. Sent to competition for fan designs, by Miss Caroline Pfänder, West London School of Art. Modern English. Price 2*l.* No. 338-69.

Painting, water colour on silk, passion flowers. Sent to competition for fan designs, by Miss A. B. Purkiss, Charterhouse School of Art. Modern English. Price 1*l.* 10*s.* No. 340-69.

Painting, water colour on paper, groups of flowers in vases. Prize object in a competition for fan designs, by Miss Eliza Rodger, Glasgow School of Art. Modern Scottish. Price 2*l.* 10*s.* No. 331-69.

Painting, water colour on paper, conventionalized flowers in purple border, heightened with gold. Prize object sent to competition for fan designs, by Miss Maria Truman, Nottingham School of Art. Modern English. Price 1*l.* 10*s.* No. 341-69.

Painting in water colours, Eros and Ganymede. By A. S. Coke. Modern English. Price 10*l.* 10*s.* No. 519-69.

Painting in water colours, Villa Borghese, Rome. By A. B. Donaldson. Modern English. Price 5*l.* No. 518-69.

Painting, water colours of Tarquin and Lucretia, by Peter Oliver, in gilt frame. English, middle of 17th century. Price 4*l.* No. 1787-69.

Painting in water colours, the Nile, near Boulac. By H. Pilleau. Modern English. Price 15*l.* 15*s.* No. 517-69.

Painting in water colours, a game of fox and geese. By Briton Riviere. Modern English. Price 28*l.* No. 516-69.

Paintings (forty-four) in water colours, views in India, and illustrations of the industrial pursuits of the native tribes. By W. Simpson. Modern English. Price 350*l.* Nos. 1128 to 1171-69.

Painting, water colour on paper, George Fox preaching in a tavern, by the late E. H. Wehnert, in gilt frame. Modern English. Price 110*l.* 5*s.* No. 272-69.

(*FRENCH.*)

Miniature portrait, a gentleman in black doublet and quilled ruff. French, late 16th century. Price 1*l.* 4*s.* No. 107-69.

Painting, in oil, study of a female head. By C. Blanc. From the Annual Exhibition, 1867, Palais de l'Industrie, Paris. Modern French. Price 20*l.* No. 1034-69.

Painting, in oil, girls at a well. By I. Cornilliet. From the Annual Exhibition, 1867, Palais de l'Industrie, Paris. Modern French. Price 40*l.* No. 1035-69.

(*GERMAN.*)

Drawing on vellum, coloured and gilt, of Maximilian I., Emperor of Germany, in a triumphal car surrounded by allegoric figures of Virtues, by Albert Dürer, in frame. German, 16th century. Price 63*l.* No. 32-69.

Drawing on satin, pedigrees of Wilhelm Friedrich, Duke of Brandenburg, and his Duchess. German, 18th century. Price 8*l.* 8*s.* No. 245-69.

(*ITALIAN.*)

Panel, front of a marriage coffer or "cassone," wood, overlaid with plaster, with a marriage procession, moulded, gilt, and coloured. Italian, 15th century. Price 20*l.* No. 21-69.

Miniature paintings (five), on copper, four male portraits and one female, in ebony frame. Italian, 17th century. Price 4*l.* No. 149-69.

Painting, fresco, St. John the Baptist and St. John the Evangelist, ascribed to Benozzo Gozzoli. Italian, early 15th century. Price 28*l.* No. 196-69.

Painting, oil on canvas, a group of three figures, presumably the Holy Family, copied from a fresco in the Cemetery of St. Priscilla, part of the Roman Catacombs. Modern Italian; date of the original, late 2nd century. Price 8*l.* 6*s.* 8*d.* No. 1734-69.

Painting, oil on canvas, a robed female figure with extended arms, probably St. Cecilia, copied from a fresco in the Cemetery of St. Callistus, part of the Roman Catacombs. Modern Italian; date of the original, 7th century. Price 8*l.* 6*s.* 8*d.* No. 1738-69.

Paintings, two, tempera on panel, in one frame, the Virgin and Child, and various saints. Italian, early 15th century. Price 4*l.* No. 19-69.

Paintings, two, tempera on panel, in one frame, the Crucifixion, with the Virgin, St. John, and other saints. Italian, early 15th century. Price 4*l.* No. 20-69.

Painting, tempera on panel, a female figure bearing a sieve, possibly a Danaid. Italian, 16th century. Price 4*l.* No. 425-69.

Painting, tempera on panel, a female figure bearing a ship. Italian, 16th century. Price 4*l.* No. 426-69.

Paintings (two), panel painted on both sides in tempera with the Virgin adoring the Infant Saviour, and with St. Anthony of Padua, in carved and gilt Renaissance frame containing two smaller segmentary pictures. Italian, dated 1515. Price 12*l.* No. 594-69.

Painting, tempera on canvas, a standing female figure, with inscription DIONYSAS IN PACE, copied from a fresco in the Cemetery of St. Callistus, part of the Roman Catacombs. Modern Italian; date of the original, 2nd half of 3rd century. Price 8*l.* 6*s.* 8*d.* No. 1735-69.

Painting, water colour, design for a fan, Bacchus and Ariadne, after a sketch by Guido Reni, mounted and framed. Italian, 17th century. Price 8*l.* No. 175-69.

Painting in water colours, the coronation of the Virgin, with saints below, copy of the Mosaic in the Apse of the Basilica of St. Maria Maggiore, Rome. By Jacopo Turriti, date about 1290. Modern Italian. Price 64*l.* 9*s.* 8*d.* No. 1088-69.

Painting, water colour on canvas, St. Clement saying mass, with the punishment of Sisinius, copy from a fresco in S. Clemente, Rome. Modern Italian. Price 20*l.* No. 1715-69.

Painting, water colour on canvas, the miracle of the widow's son at the tomb of St. Clement, copy from a fresco in S. Clemente, Rome. Modern Italian. Price 20*l.* No. 1716-69.

Painting, water colour on canvas, the translation of the relics of St. Clement by Pope Nicolaus, copy from a fresco in S. Clemente, Rome. Modern Italian. Price 20*l.* No. 1717-69.

Painting, water colour on canvas, scenes from the life of St. Alexius, copy from a fresco in S. Clemente, Rome. Modern Italian. Price 25*l.* No. 1718-69.

Painting, water colour on canvas, the Crucifixion, copy from a fresco in S. Clemente, Rome. Modern Italian. Price 10*l.* No. 1719-69.

Paintings (three), water colour on canvas; the Marys at the Sepulchre; the descent into Hades; the marriage at Cana. Modern Italian. Price 10*l.* No. 1720-69.

Appendix D.

REPORT BY MR. WALLIS.

Painting, water colour on canvas, the Assumption of the Virgin Mary, copy from a fresco in S. Clemente, Rome. Modern Italian. Price 17*l.* 10*s.* No. 1721-69.

Painting, water colour on canvas, our Saviour in the act of benediction, with saints and angels, copy from a fresco in S. Clemente, Rome. Modern Italian. Price 17*l.* 10*s.* No. 1722-69.

Painting, water colour on canvas, a female head with nimbus, copy from a fresco in S. Clemente, Rome. Modern Italian. Price 5*l.* No. 1723-69.

Painting, water colour on canvas, a male head, unknown, copy from a fresco in S. Clemente, Rome. Modern Italian. Price 5*l.* No. 1724-69.

PAINTINGS, DRAWINGS, &c., ORIENTAL :

(*JAPANESE.*)

Paintings (twenty-four), in water colours, on silk paper, for fans and hand screens, decorated with animals, figures, landscapes, flowers, &c. Modern Japanese. Price 8*l.* Nos. 342 to 365-69.

PORCELAIN, ENGLISH :

Bowl, porcelain, dark blue and gold, with groups of coloured flowers on white ground, early Minton ware. English, late 18th century. Price 3*l.* No. 312-69.

Cup and Saucer, New Hall porcelain, white, painted with flowers. English, present century. Price 17*s.* 6*d.* Nos. 311, 311*a*-69.

Ice Pail and Cover, Pinxton porcelain, primrose ground with coloured flowers, by Billingsley. English, early present century. Price 6*l.* 7*s.* 6*d.* Nos. 308, 308*a*-69.

Ice Pail and Cover, Pinxton porcelain, primrose ground with coloured flowers, by Billingsley. English, early present century. Price 6*l.* 7*s.* 6*d.* Nos. 309, 309*a*-69.

Plate, Rockingham porcelain, flowers and birds, the border with a green ground. English, present century. Price 3*l.* 3*s.* No. 310-69.

Plate, Bow porcelain, with coloured flowers in centre, and mayflowers in relief on the border. English, late 18th century. Price 3*l.* No. 306-69.

Trinket Tray, Bow porcelain, white, in form of a shell supported on rose leaves. English, late 18th century. Price 3*l.* No. 305-69.

Tureen and Cover, Bow porcelain, white, with flowers in relief, classic masks at the handles. English, late 18th century. Price 8*l.* Nos. 307, 307*a*-69.

Vase and Cover, Rockingham porcelain, groups of flowers, with gilt oak leaves and acorns, branches, and handles; the neck represents a honeycomb, with bees. English, early present century. Price 105*l.* No. 47-69.

PORCELAIN, EUROPEAN :

(*FRENCH.*)

Cup and Saucer, porcelain of St. Cloud, blue and white, partially reeded. French, 18th century. Price 8*s.* Nos. 224, 224*a*-69.

Cup and Saucer, porcelain of St. Cloud, blue and white, partially reeded. French, 18th century. Price 8*s.* Nos. 225, 225*a*-69.

Cup and Saucer, porcelain of Menecy Villeroy, with flowers in colours on white ground. French, 18th century. Price 10*s.* Nos. 226, 226*a*-69.

Cup, Cover, and Stand, porcelain of Menecy Villeroy, white, spiral, and foliated patterns. French, 18th century. Price 8*s.* Nos. 227, 227*a*-69.

Handle of a Cane, porcelain of St. Cloud, white and blue. French, 18th century. Price 8*s.* No. 228-69.

Statue, biscuit porcelain, Bernard Palissy, French potter; modelled by Ch. Lévy, executed by MM. Poyard, Vion, and Baury. Modern French. Price 74*l.* No. 1120-69.

Vase and Cover, porcelain, dark blue lobed base and foot, with nymphs and Cupids in white slip around the body. Modern French. Price 80*l.* Nos. 502, 502*a*–69.

(*GERMAN.*)

Cup and Saucer, Vienna porcelain, Cupid and Psyche, with green and pink scrolls and gold. German, present century. Price 10*l.* Nos. 292, 292*a*–69.

Cup and Saucer, Vienna porcelain, Bacchus and Nymphs, with gold scrolls on crimson. German, present century. Price 10*l.* Nos. 293, 293*a*–69.

Plate, Vienna porcelain, the Judgment of Paris, with border of grey and gold. German, early present century. Price 13*l.* 6*s.* 8*d.* No. 289–69.

Plate, Vienna porcelain, the Youthful Bacchus and Nymphs, bordered with pink and blue foliage and gold. German, early present century. Price 13*l.* 6*s.* 8*d.* No. 290–69.

Plate, Vienna porcelain, the Departure of Helen, bordered with purple and gold. German, early present century. Price 13*l.* 6*s.* 8*d.* No. 291–69.

(*ITALIAN.*)

Bowl, Cover, and Stand, porcelain of Capo di Monte, white with gold borders, medallion groups on chocolate ground of the Triumph of Bacchus and Ariadne. Italian, late 18th century. Price 10*l.* Nos. 12 to 12*b*–69.

Bowl, Cover, and Stand, Venice porcelain, white ground with green and gold ornament, and flowers in colours. Italian, 18th century. Price 4*l.* Nos. 42 to 42*b*–69.

Coffee Pot and Cover, porcelain of Nove with festoons of purple, red, and gold. Italian, 17th century. Price 1*l.* 11*s.* 6*d.* No. 448–69.

Cup and Saucer, Venice porcelain, painted with flowers. Italian, 18th century. Price 1*l.* 1*s.* No. 446–69.

Holy Water Vessel, or "Bénitier," porcelain, a shell supported by Cupids with drapery of grey and gold. Italian (Capo di Monte), late 18th century. Price 40*l.* No. 3–69.

Plate, Venice porcelain, white ground, with flowers in colours, border of blue and gold. Italian, 18th century. Price 2*l.* No. 43–69.

Soup Plate, Venice porcelain, white ground with flowers in colours, border of blue and gold. Italian, 18th century. Price 2*l.* No. 44–69.

Vase, porcelain, white reeded base, band of blue and gold, and landscape medallions surrounded by festoons of roses in high relief. Italian (Capo di Monte), late 18th century. Price 12*l.* No. 2–69.

PORCELAIN, ORIENTAL:

Cup and Saucer, porcelain, with flowers in blue. Oriental. Price 7*s.* Nos. 443, 443*a*–69.

(*CHINESE.*)

Cup and Saucer, Oriental porcelain, with landscape subjects, drawn in Europe (Germany ?). Chinese, 17th century. Price 14*s.* Nos. 444, 444*a*–69.

Cup, Oriental porcelain, with subject of Coronis slain by Apollo, drawn in Europe. Chinese, 17th century. Price 7*s.* No. 445–69.

STONE AND MARBLE, CARVINGS IN.

(*ITALIAN.*)

Bust, marble, portrait of Lucrezia Donati, imitation of the style of the 14th century, by the late Giovanni Bastianini. Modern Italian. Price 84*l.* No. 38–69.

Bust, marble, portrait of an ecclesiastical judge in the Roman Court, named on pedestal, Io: Andr: Calder. Italian, dated 1424. Price 60*l.* No. 131–69.

Bust, marble, a negro boy, the head in black marble, the dress mottled brown, the pedestal verd-antique. Italian, late 16th century. Price 60*l.* No. 451–69.

Bust, in low relief, marble, portrait of Hercules, 1st Duke of Ferrara and Modena. Italian, date 1477. Price 60*l.* No. 452–69.

Group, marble, demi-figures of Christ supported by angels, Lombard school. Italian, 15th century. Price 20*l.* No. 122–69.

Group, marble, three angels in adoration, probably part of a composition of Christ in the Sepulchre, the work of Maderno of Pavia. Italian, 15th century. Price 150*l.* No. 450–69.

Panel, marble, the Descent from the Cross, in high relief, ascribed to Giovanni Antonio Homodei. North Italian, late 15th century. Price 200*l.* No. 8–69.

Tabernacle, or "Ciborio," marble. Renaissance pilasters supporting an archband, with angels withdrawing the curtains of a tent, ascribed to Matteo Civitale of Lucca. Italian, dated 1498. Price 240*l.* No. 418–69.

(*GERMAN.*)

Group, in high relief, hone stone, the Fall of Man. German, 16th century. Price 5*l.* No. 427–69.

(*ENGLISH.*)

Panel, marble, with boy's head in high relief, by W. H. Barrett, prize object from the Society of Arts competition, 1868. Modern English. Price 2*l.* No. 253–69.

TEXTILE FABRICS, ENGLISH:

Lace, six pieces of bordering, called "baby lace." Modern English. Price 9*s.* 7½*d.* Nos. 317 to 322–69.

Tunic, white silk embroidered with coloured silks, gold thread and spangles in floral scroll design, the lining of rough silk. English? 17th century. Price 30*l.* No. 173–69.

Vest, with sleeves, linen, with floral pattern in tambour work. English, early 18th century. Price 10*s.* No. 1090–69.

Vest, with sleeves, linen, with palm and flower pattern in tambour work. English, 18th century. Price 10*s.* No. 1091–69.

TEXTILE FABRICS, EUROPEAN:

(*BELGIAN.*)

Lace, piece of Mechlin, dotted ground with border of roses. Belgian, early present century. Price 15*s.* No. 324–69.

Lace, piece of border, Mechlin, dotted ground with floral border. Belgian, end of last or beginning of present century. Price 10*s.* No. 327–69.

Lappet, white Brussels lace, floral pattern with waved border, "point d'Angleterre," style of Louis XV. Belgian, 18th century. Price 2*l.* 10*s.* No. 328–69.

(*FLEMISH.*)

Carpet, velvet, blue damask of pomegranate pattern upon ground of gold cloth, with broad border of purple velvet, embroidered with the arms of Pope Leo XI. The centre is Flemish, 15th century, the border Italian, date 1605. Price 50*l.* No. 142–69.

Lace, a piece of border, Mechlin point, pattern of flowers and sheaves. Flemish, 18th century. Price 1*l.* No. 30–69.

Lappets, a pair, Brussels point lace, bold floral pattern. Modern Flemish. Price 5*l.* No. 29–69.

Napkin, linen damask, with the royal shield of Henry VII. of England. Flemish, date about 1500. Price 50*l.* No. 169–69.

(*FRENCH.*)

Bag or reticule, crimson velvet, with silver and gold thread in spirals, on the base a shield of arms. French, 17th century. Price 2*l.* No. 522–69.

Bag or Reticule, crimson velvet, with silver and gold thread in spirals, on the base the royal shield of France. French, 17th century. Price 2*l.* No. 523-69.

Bag or Reticule, green velvet, with gold and silver thread, on the base an armorial shield. French, 17th century. Price 2*l.* No. 524-69.

Bag or Reticule, green velvet, with gold and silver thread, on the base an armorial shield of the city of Paris. French, 17th century. Price 2*l.* No. 525-69.

Bag or Reticule, velvet on leather, embroidered with a cardinal's arms in gold and silver thread and coloured silks. French, 17th century. Price 2*l.* No. 1119-69.

Jerkin, silk damask, floral pattern of green upon fawn colour, found in the Palace of Holyrood. French, 16th century. Price 5*l.* No. 170-69.

Lace, piece of border, Valenciennes, with floral pattern within scrolled leaves. French, 18th century. Price 8*s.* No. 325-69.

Lace, piece of border, Lille, with sprigs, and border of running ornament. Modern French. Price 5*s.* No. 326-69.

Portfolio, white silk, with gold and silver thread and coloured spangles in scroll and foliage pattern, and an armorial shield. French, 17th century. Price 4*l.* No. 527-69.

Purse, silk, gold and silver embroidery in geometric pattern. French, 17th century. Price 2*l.* No. 520-69.

Purse, silk, gold and silver embroidery in geometric pattern. French, 17th century. Price 2*l.* No. 521-69.

(*GERMAN.*)

Coverlet, linen, embroidered in yellow thread, with men hunting wild animals, fishing subjects, and various other scenes, in the centre is the Judgment of Solomon. German, 17th century. Price 18*l.* No. 150-69.

Embroidery, a piece, cloth of gold, with figure of a warrior saint in an architectural niche. German, 16th century. Price 1*l.* No. 1755-69.

Tapestry, a piece, worsted on canvas, a woodland scene with an archery contest. German, 16th century. Price 20*l.* No. 127-69.

Tapestry, a piece, worsted on canvas, a woodland scene with a wild boar chase. German, 16th century. Price 20*l.* No. 128-69.

Tapestry, a piece, worsted on canvas, a woodland scene with a villa and fountain. German, 16th century. Price 20*l.* No. 129-69.

Tapestry, a piece, worsted on canvas, a hunting party and a boating subject. German, 16th century. Price 20*l.* No. 130-69.

(*ITALIAN.*)

Coffret, wood, covered with pink silk, embroidered in coloured silks and gold thread, in front is an armorial shield. Italian, 16th century. Price 4*l.* No. 17-69.

Coffret, wood, covered with green silk, embroidered in coloured silks and gold thread, in front is an armorial shield. Italian, 16th century. Price 4*l.* No. 18-69.

Corporal, white silk, embroidered in coloured silks and gold thread, our Lord and the four Evangelists, with border of similar character. Italian, 15th century. Price 7*l.* No. 192-69.

Door Curtain or "Portiera," silk, yellow watered ground with embroidery of birds and flowers sewed on. Italian, late 16th century. Price 6*l.* No. 193-69.

Embroidery, a piece, possibly an altar frontal, openwork of coloured silk gimp, with gold and silver thread, floral pattern. Italian, late 16th century. Price 20*l.* No. 57-69.

Embroidery, crimson velvet, with foliated pattern in gold thread, the covering, top, and sides of a casket. Italian, 16th century. Price 2*l.* Nos. 194 to 194c-69.

Embroidery, a piece, cloth of gold with figure of the Virgin, embroidered in high relief. Italian, 16th century. Price 1*l.* No. 1753–69.

Embroidery, a piece, cloth of gold with figure of St. John, embroidered in high relief. Italian, 16th century. Price 1*l.* No. 1754–69.

Lace, a piece, "rose" point, of floral design with narrow edging. Italian. 18th century. Price 3*l.* No. 136–69.

Lace, piece of border, with scroll and floral design, vandyked point. Italian, 16th or 17th century. Price 15*s.* No. 313–69.

Lace, piece of point, zig-zag pattern with wide border. Italian, 18th century. Price 1*l.* 15*s.* No. 314–69.

Lace, piece of point, with curious figures of a man and woman. Italian, 17th century. Price 1*l.* No. 315–69.

Lace, Venetian point, pattern in progress on parchment, showing how this particular description was made, from a convent in Genoa. Italian, 17th century. Price 3*l.* 10*s.* No. 316–69.

Orfrey, cloth of gold, with figures of the crucified Saviour and Saints in silk embroidery, in high relief. Italian, 16th century. Price 9*l.* No. 1752–69.

Tapestry, silk upon canvas, with subject from the Gerusalemme Liberata of Tasso. Italian, 17th century. Price 60*l.* No. 178–69.

Tapestry, silk upon canvas, with subject from the Gerusalemme Liberata of Tasso. Italian, 17th century. Price 60*l.* No. 179–69.

Tapestry, silk upon canvas, with subject from the Gerusalemme Liberata of Tasso. Italian, 17th century. Price 35*l.* No. 180–69.

Tapestry, silk upon canvas, with subject from the Gerusalemme Liberata of Tasso, and border of statues with garlands of flowers. Italian, 17th century. Price 25*l.* No. 181–69.

Tapestry, silk upon canvas, with subject from the Gerusalemme Liberata of Tasso, and border of statues with garlands of flowers. Italian, 17th century. Price 20*l.* No. 182–69.

(*ABYSSINIAN.*)

Robe, dark blue silk with coloured silk embroidery, and ornamented with silver gilt filigree. Abyssinian. Price 80*l.* No. 211–69.

WOOD, CARVINGS IN, ENGLISH:

Panel, satin wood, inlaid with coloured wood, in the centre a gilt medallion surrounded by festoons by T. Godfrey, prize object from the Society of Arts' competition, 1868. Modern English. Price 10*l.* No. 248–69.

Panel, walnut wood, carved in high relief of scroll foliage, with fruit and musical instruments in lighter wood, by E. T. Grove, prize object from the Society of Arts' competition, 1868. Modern English. Price 5*l.* No 249–69.

Panel, oakwood, carved with Esther before Ahasuerus, and the triumph of Mordecai. English, early 17th century. Price 10*l.* No. 246–69.

WOOD, CARVINGS IN, EUROPEAN:

(*GERMAN.*)

Group, wood, the Crucifixion, with figures of the Virgin, St. John and angels, a copy of a German original of the 15th century. Modern German. Price 13*l.* 8*s.* No. 135–69.

Statuette, wood, a seated figure of a saint (possibly St. John the Baptist), with receptacle for relics, from a folding shrine or oratory. German (Cologne), date about 1350–75. Price 3*l.* 14*s.* 6*d.* No. 132–69.

Statuette, wood, a seated figure of a female saint, with receptacle for relics, from a folding shrine or oratory. German (Cologne), date about 1350–75. Price 3*l.* 14*s.* 6*d.* No. 133–69.

Statuette, wood, a seated figure of a female saint, with receptacle for relics, from a folding shrine or oratory. German (Cologne), date about 1350–75. Price 3*l.* 14*s.* 6*d.* No. 134–69.

(*ITALIAN.*)

Coffret, boxwood, carved in openwork with ivory fillets. Italian (Venice), 16th century. Price 12*l.* No. 532–69.

Frame for mirror or picture, wood carved and gilt, of architectural design. Italian, 15th century. Price 3*l.* No. 148–69.

Knife, the handle of boxwood, carved in high relief with Sampson slaying the Philistines. Italian, 16th century. Price 1*l.* 4*s.* No. 22–69.

Plaque, hard wood, carved in high relief with a group of nude children dancing, by L. Frullini of Florence. Modern Italian. Price 3*l.* No. 281–69.

Plaque, hard wood, carved in low relief with a group of nude children pressing grapes and playing, by L. Frullini of Florence. Modern Italian. Price 3*l.* No. 282–69.

Plaque, hard wood, carved in low relief with a group of nude children bearing corn, by L. Frullini of Florence. Modern Italian. Price 2*l.* No. 283–69.

Plaques, four, hard wood, carved in low relief with nude children bearing the emblems of poesy, sculpture, painting, and music, by L. Frullini of Florence. Modern Italian. Price 4*l.* Nos. 284 to 284c–69.

Plaque, walnut wood, carved in high relief with a frieze of flowers and central mask. 16th century syle, by L. Frullini of Florence. Modern Italian. Price 1*l.* 12*s.* No. 285–69.

ELECTROTYPE REPRODUCTIONS.

LAMP, the handle of which is in the form of a bird's head and neck, surmounted by the monogram of Christ. The original, in antique bronze, is the property of M. Castellani. 69. 1.

CANDLESTICK; the base is six lobed and supported on three lion's paws. The original, of Pompeian bronze, is the property of M. Castellani. 69. 2.

CANDLESTICK; the base is six lobed and supported on three lion's paws. The original, of Pompeian bronze, is the property of M. Castellani. 69. 2.

TRIPOD STAND, in modern bronze, the legs formed by three Hermes figures of cymbal-players. The original, of Pompeian bronze, is the property of M. Castellani. 69. 4.

FIRE DOG, in modern bronze. The original, in Pompeian bronze, is the property of M. Castellani. 69. 5.

MEDAL, bronze; in the centre is the bust of Queen Victoria surrounded by allegorical subjects. The original, of silver, is by M. A. Vechte, and is given as the national medallion for the yearly competition of all the Art Schools in the United Kingdom. 69. 9.

PLAQUE, representing the entombment, after Donatello. 69. 10a.

BRONZE FIGURE of a youth in adoration. The original, in ancient Greek bronze, in the Royal Museum, Berlin. 69. 13.

A COLLECTION of fifteen electrotypes from ancient Greek coins. Presented by M. Gaston Feuardent. 69. 15. to 69. 29.

COMPLETE SUIT OF ARMOUR embossed with scences taken from the latter portion of the life of Pompey, allegorical figures and mythological subjects. The original suit was made for Henry II. of France, and is preserved in the Musée des Souverains in the Louvre. 69. 30.

SHIELD, pear-shaped, embossed with a battle scene and allegorical figures, masks, and scrolls. The original is in the Museum at Milan. 69. 31.

SHIELD, circular, embossed with four battle scenes, interspersed with masks and allegorical groups. The original is in the Museum at Turin. 69. 32.

Appendix D.

REPORT BY MR. WALLIS.

BREAST-PLATE, ornamented with the figure of a warrior embossed, and trophies and groups of fruit engraved. The original is in the Museum at Turin. 69. 33.

SHIELD, circular, embossed with a lion's head and battle scenes. The original is in the Cluny Museum, Paris. 69. 34.

SOURGINOT, ornamented with figures of Jupiter and Venus. The original is in the Museum at Milan. 69. 35.

CASQUE or HELMET, ornamented with scrolls, ideal figures, birds, and reptiles. The original belonged to Francis I. of France, and is preserved in the Musée d'Artillerie in Paris. 69. 36.

SHIELD, circular, embossed with a foliated ornament, fauns, cupids, and trophies, &c. The original belonged to Francis I. of France, and is preserved in the Musée d'Artillerie in Paris. 69. 37.

CASQUE, in the form of a Doge's cap. The ornament consists of strap-work trophies and insects. The original is in the Museum at Turin. 69. 38.

SWORD HANDLE, chiselled with masks and strap ornament. The original belonged to the Dukes of Savoy, and is preserved in the Museum at Turin. 69. 39.

PORTION of HORSE ARMOUR, ornamented with a figure of Victory, and trophies in beaten work. The original is in the Museum at Lyons. 69. 40.

CHAMPFRONT. In the centre is a classic battle piece in beaten work. The original is in the Museum at Lyons. 69. 41.

BACK PLATE of a Saddle, ornamented with two classic combats in beaten work. The original is in the Museum at Lyons. 69. 42.

FRONT PLATE of a Saddle, ornamented with two classic combats in beaten work. The original is in the Museum at Lyons. 69. 43.

TAZZA, beaten work. In the bowl a classical group in relief. Italian, 16th century. Attributed to Benvenuto Cellini. Original in the Musée du Louvre, Paris. 69. 44.

BOWL of a Tazza, repoussé or beaten work the triumph of Neptune. 16th century. Original in the Musée du Louvre, Paris. 69. 45.

CANON, with figures in relief. The original is in the Musée d'Artillerie in Paris. 69. 46.

BATTLE AXE, with scroll ornament in relief. The original belonged to the Dukes of Brittany, and is preserved in the Musée d'Artillerie in Paris. 69. 47.

STATUETTE of Henry IV. of France when a child. The original, in silver, is in the Musée du Louvre in Paris. 69. 48.

TABLE, with mounts consisting of scrolls in relief. The original, in ebony and silver beaten work, is the property of the Countess de la Warr, Knole Park. 69. 63.

MIRROR FRAME, with mounts consisting of scrolls, &c. in relief. The original, in ebony and silver beaten work, is the property of the Countess de la Warr, Knole Park. 69. 64.

VIOLIN, carved with woodland scenes. The original, in boxwood, is of about the 14th century, and belongs to the Earl of Warwick, by whom it is lent to the South Kensington Museum. 69. 66.

PLASTER CASTS.

CANDELABRUM. The original is in the Church of St. Mark. 69. 6.

PLAQUE, the Madonna and Child. The original, in marble, is by Donatello, and belongs to the Emperor of Russia. 69. 7.

BUST of Sigilgaita Ruffolo. The original, by Nicola da Fozzia, is in the Church at Ravello. 69. 8.

FRIEZE of the Altar of Henry VII.'s Chapel in Westminster Abbey. Presented by the Dean of Westminster. 69. 9.

GROUP of the Virgin and Child and Saints. The original was executed in terra-cotta by Giovanni da Pisa, and is now in the Church of the Eremitani at Padua. 69. 12.

SHRINE of St. Sebaldus. The original was executed in bronze by Peter Vischer and his five sons, and is now in the Church of St. Sebaldus at Nuremberg. 69. 14.

PANEL, in relief, representing the coronation of Otho, Emperor of Germany and King of Italy. The original, in marble, is in the Cathedral at Monza. 13th century. 69. 49.

CROSS, with scenes in relief from the Life of St. John the Baptist and St. Gerard. The original, in silver, is in the Treasury of St. Ambrogio, at Milan. 69. 50.

CHALICE, ornamented with shields, the Virgin and Child, and Saints. The original, in silver, is in the Cathedral at Monza. 69. 51.

CHALICE, ornamented with figures in relief of the Virgin and Child, in the midst of foliage. The original, by Annibale Fontana, is in the Cathedral at Monza. 69. 52.

CHALICE, ornamented with figure of saints, heads of cherubs, &c. The original is in the Cathedral at Monza. 69. 53.

CHALICE, ornamented with figure of saints, heads of cherubs, &c. The original is in the Cathedral at Monza. 69. 54.

STATUETTE of St. John the Baptist. The original, in silver, is in the Cathedral at Monza. 69. 55.

CROSS used at the coronations of the Kings of Italy. The original, of gold set with precious stones, is in the Cathedral at Monza. 69. 56.

DIPTYCH; the Coronation and Death of the Virgin. The original, in ivory, is in the Cathedral at Monza. 60. 57.

DIPTYCH; male and female figure. The original, in ivory, is in the Cathedral at Monza. 69. 58.

DIPTYCH; a warrior with female and child. The original, in ivory, is preserved in the Cathedral at Monza. 69. 59.

DIPTYCH; St. David and St. Gregory. The original, in ivory, is in the Cathedral at Monza. 69. 61.

TRIPTYCH; the Virgin and Child and Saints. The original, in ivory, is in the Cathedral at Monza. 69. 60.

TRIPTYCH; the Ascent into Heaven, and the Evangelists. The original, in ivory, is preserved in the Cathedral at Monza. 69. 62.

PLASTER CASTS of Indian sculptures. The originals were taken from the ruined city of Saitron in Rajpootana, and were lent to the Museum by Sir Bartle Frere. Date about 1100. 69. 65. to 69. 65–27.

CROSS, divided into panels containing portraits of saints. The original, of silver, is preserved in the Basilica of St. Ambrogio, in Milan. 69. 67.

SHRINE of St. Peter the Martyr. The original, in marble, is in the Church of St. Eustorgio, in Milan. By Giovanni Balducci, of Pisa, date 1339. 69. 68.

SIX PLASTER CASTS by the Society for the Reproduction of objects of Religious Art in Belgium, viz.:—

STATUETTE of the Abbé St. Léonard. The original, of brass, is at Leau, Belgium, date 1480. 69. 79.

PART of the sculptured ornament of one of the lintels in the municipal chamber of the market-house at Ypres. 14th century. 69. 80.

ROUNDEL, in open iron work, used for the ventilation of a cupboard. The original is in the Church of St. Peter, Louvain. Early 15th century. 69. 81.

PANEL, in carved wood. The original forms part of the southern door of the Church of St. Peter, Louvain. 16th century. 69. 82.

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FRAGMENT of the capital of one of the single columns of the market-house at Louvain. About 1320. 69. 83.

SMALLER FRAGMENT of one of the single columns of the market-house at Louvain. About 1320. 69. 84.

GEORGE WALLIS,
Keeper of the Art Collections.

REPORT BY MR. SODEN SMITH.

7. REPORT of the MUSEUM KEEPER of the NATIONAL ART LIBRARY.

SIR,

Increased use of Library.

1. It is satisfactory to be able to call attention again this year to the increased use of the Art Library, by students and the public. The value of its contents is becoming gradually better understood by those for whose special advantage the Library was in the first instance established, namely, the students of the Schools of Art; and it is also becoming more known and appreciated by the general public as an available storehouse of information on all matters connected with Art. As far as the means granted for purchase permit, the acquisitions of books are made with special reference to the known wants of readers; but as it is not merely cheap publications but great and costly works on Art which are properly sought for in a public library, the inadequacy of the funds available from the present grant for such acquisitions is very sensibly felt.

Number of readers.

2. The number of readers has risen to 18,772 in the year just closed, showing an increase over the attendance in 1868 of 3,489. The numbers for 1868 had already shown a large increase of 2,461 over the previous twelve months; thus in two years the attendance in the reading room has risen from 12,822 in 1867 to 18,772 in 1869, an augmentation of nearly one half. This is the more remarkable when the insufficiency of accommodation is borne in mind, and it proves decisively that the Art Library has met a want acknowledged by the public and by students of Art.

Insufficiency of space.

3. The insufficiency of space in the Library becomes gradually a more and more serious inconvenience, retarding its development and hindering its present utility. In each annual report that I have had the honour to present for the last three years, it has been my duty to point out; 1st, the inconvenience to which readers are subjected for want of space and light in the temporary reading room; 2nd, the embarrassment caused by the inadequacy of shelf-room for classifying and placing books; 3rd, the impossibility under present conditions of giving full scope to the utility of the Library, or enabling the public to become acquainted as they should do with the value of its contents. It is again necessary to repeat these observations, and to add force to them by drawing attention to the increasing desire on the part of students and the public to use the Art Library.

As many as 55 readers have endeavoured on some evenings to work together in the reading room, although there is only space—were the same proportion allowed as in the British Museum—for 25 to sit at the tables and a few more to stand at the desks. The consequence is, inconvenient crowding, disturbance of attention, and risk of injury to the large and valuable books or portfolios which readers in an Art Library especially desire to consult or to sketch from.

4. In order to provide in some measure for the placing of books which are now encumbering the tables, and even the floor, I have suggested carrying the shelves up to the ceiling, and the construction of a

temporary gallery in the inner room of the Library. This may, it is hoped, be accomplished next year, and such an arrangement would obviate, for a time at least, some of the disadvantages of the present position of the collection.

It is, however, just to the attendants in the reading room to observe that, notwithstanding the crowding of the books and the make-shift contrivances to which we are reduced in order to find shelf-room for new volumes, various persons consulting the Library have remarked on the promptitude and readiness shown in supplying them with the works they require.

Book-ornament and topography.

5. The collection which is gradually being formed of book-ornament and illustrations of the art of typography, has now arrived at some degree of importance, but it cannot be exhibited to the public for want of space to arrange the glazed cases in which it requires to be shown. Without going into detail here respecting the method and scope of this collection, as I have already presented a memorandum on the subject, I may say that there is no doubt of the interest that would be taken in it, nor of the advantage which its public exhibition would be to those who are making efforts to restore printing to what it once was—not merely a trade but an art, to perfect which great artists were willing to contribute their aid. The increase of interest in matters illustrating the history and development of the art of typography, has been recently shown by the greatly enhanced value put by the public on early specimens of printing. At a recent sale one page of the Mazarine Bible was sold for upwards of 9*l.*, and other pages of early works for 4*l.* and 5*l.* each.

Additions;

6. The number of printed books, parts, and pamphlets purchased during the past year has been 2,912; presented, 1,368; total, 4,280.

Not many costly works have been purchased, although the importance of securing valuable standard books when it is possible to obtain them, and not merely adding the more slight and ephemeral current publications, is acknowledged, especially as the former class of works are yearly becoming more difficult of acquisition, being taken out of the market by purchase for public libraries, and are rising in value in a remarkable degree.

by purchase of books, &c.

Among important purchases may be noted Roberts' Views in the Holy Land, Egypt, and Nubia, a subscriber's copy coloured in the best manner in which the work was issued; three books of lace patterns, published in the 16th and 17th centuries, have been acquired; these are of a class of works of considerable rarity, and of much interest for the history and art of lace-making; Langles' Monuments anciens et modernes de l'Hindoustan; and Stuart's valuable work on the Ancient Sculptured Stones of Scotland, have also been added.

The books presented include a collection of 362 vols. and 36 pamphlets, being the remaining portion of the valuable bequest of the late Rev. Chauncy Hare Townshend, particulars respecting which were given in my report for last year. Of these books a list is appended at page 432.

7. The total number of books and pamphlets in the Library is now 29,614.

Additions: of drawings.

8. Among the drawings acquired are a series of original drawings of the ornamental brick architecture of Northern Italy, prepared under the direction of Mr. L. Gruner; also careful copies of some important objects of art, preserved in the Green Vaults, at Dresden; a volume containing a large number of architectural designs and sketches of decoration, some by Sir W. Chambers, others of his period; a collection of coloured designs for the decoration of ceilings, walls, &c. by James Wyatt, executed during the latter half of the 18th century; 90 small pieces of coloured ornament, designed for the decoration of porcelain; 20 illuminated initial letters,

Appendix D.

REPORT BY MR. SODEN SMITH.

Italian work of the 14th century, formerly in the Rogers' collection; a large volume containing an interesting collection of about 350 coloured designs, chiefly for chintz patterns. A collection of 83 very carefully executed rubbings and tracings of bookbinding and book ornament of the 16th and 17th centuries, presented by Mr. H. S. Richardson.

of engravings, prints;

The number of engravings acquired has been 6,655. Among them is the great collection of prints known as the Chalcographie du Louvre; these are impressions from the plates in possession of the French Government, and consist of a series of 4,854 prints by some of the most eminent French engravers during the last century and a half. This collection was presented by the French Government in exchange for reproductions of objects of art supplied by this Department. (See page 31.)

From the sale of the Marquis of Salamanca's engravings, a collection of 268 pieces of ornament were acquired; these include works by Beham, Van Leyden, Pencz, and others of the masters of the German School in the 16th century. Two other selections, amounting to 50 specimens of the same period and class of ornament, have also been acquired. A collection of 157 proofs, on India paper, of the wood engravings executed to illustrate the history and manufacture of lace, for Mrs. Palliser's work on the subject, presented by the author; a series of 371 engravings, illustrating architectural construction and decoration in various countries, being the publications of the "Wiener Bauhütte," since the first establishment of that Association. About 200 portraits have been added to the collection of the Engraved National Portraits; of these 13 have been presented.

9. All these drawings and prints have been registered and indexed, and are available for use in the reading room; a finding index for the collection of original drawings, arranged under artist's names and subjects, is nearly ready for press.

photographs.

10. The number of photographs added to the collection has been 2,620. These include about 700 illustrations of buildings, architectural details, and objects of art in Italy. A series of 473, taken under the direction of J. H. Parker, Esq. to illustrate the results of recent explorations at Rome, in continuation of those acquired in 1868; a series of 142 views and various illustrations of the province of Oran, in Algiers.

11. 1,642 drawings, 1,499 prints, and 4,983 photographs, belonging to the Art Library collection, are on loan for exhibition, either in the Art Museum or in provincial Schools of Art.

Universal Catalogue of Art Books.

12. The Universal Catalogue of Art Books, as far as published, is used in the Art Library as a finding catalogue, and also for the purposes of reference and noting deficiencies in the collection.

Handbook of engravers of ornament.

13. A handbook of engravers of ornament has been prepared by Mr. Julian Marshall, and published by the Department, making reference to the collection of the works of the "Petits Maîtres" and other masters of ornamental design possessed by the Art Library; this, which has been carefully drawn up, will be of service to students consulting the collection, or generally studying the subject on which it bears.

14. I beg to append the tables prepared by Mr. Laskey, giving a comparative table of statistics of the Library for five years, the return of the number of readers since its establishment in 1852, the returns of circulation of books to schools of art, the list of donations to the Art Library, and a list supplementary to that published in last year's report, of books since received under the bequest of the Rev. C. H. Townshend.

I have, &c.

R. H. SODEN SMITH,
Librarian and Keeper of the
National Art Library.

NATIONAL ART LIBRARY RETURN, 1865 to 1869 inclusive.

1865.	1866.	1867.	1868.	1869.	
309	311	311	312	311	Days open.
10,719	11,622	12,822	15,283	18,772	Readers.
					Acquisitions.
1,696	857	1,391	1,427	993	Volumes purchased.
139	144	211	987	538	„ presented.
1,418	1,657	1,784	1,746	1,919	Parts, pamphlets, &c. purchased.
215	175	478	2,107	830	„ presented.
160	363	125	440	96	Drawings purchased.
127	15	267	393	287	„ presented.
1,869	151	205	2,126	1,185	Prints purchased.
249	103	44	1,881	5,470	„ presented.
411	1,245	5,710	5,378	2,314	Photographs purchased.
2,161	1,836	984	2,214	306	„ presented.
					Circulation.
2,000	1,538	780	630	846	Books borrowed.
1,957	1,589	593	601	845	„ returned.
			1,449	1,061	Drawings, prints, &c. borrowed.
1,040	1,263	2,795	690	408	„ returned.
			1,394	260	Photographs borrowed.
1,749	734	803	470	255	„ returned.
					Cataloguing, Registration, &c.
			5,596	9,145	Catalogue and Inventory slips copied.
1,931	1,529	909			
			2,691	7,114	Index slips written.
—	—	—	637	5,913	Drawings and prints registered.
—	—	—	19	2,325	Drawings, &c., Catalogue slips written.
—	—	—	2,275	4,260	Drawings, &c., Index Slips written.
—	—	—	1,706	5,028	Photographs registered.
—	—	—	29	2,001	„ Catalogue slips written.
—	—	—	274	896	„ Index slips written.
—	—	—	12,245	77,447	Stamps impressed.
572	680	504	651	551	Volumes bound.

Number of Readers in Art Library, 1852 to 1869 inclusive.

	1852.	1853.	1854.	1855.	1856.	1857.	1858.	1859.	1860.	1861.	1862.	1863.	1864.	1865.	1866.	1867.	1868.	1869.
January	—	153	934	794	871	[d]—	707	838	[f] 899	774	[h] 643	789	[i] 1,057	1,099	[k] 1,211	1,105	1,345	1,761
February	—	120	853	705	928	[d]—	777	881	1,137	765	738	926	1,318	1,015	1,160	1,276	1,330	1,600
March	—	181	799	665	590	[d]—	816	839	765	631	660	651	1,051	1,054	1,126	1,175	1,513	1,920
April	—	197	435	393	737	[d]—	627	534	555	644	691	567	1,021	856	947	1,075	1,299	1,838
May	—	121	844	677	565	[d]—	482	823	603	611	620	666	780	1,088	1,024	1,048	1,459	1,627
June	—	225	774	711	847	313	575	922	601	553	588	580	779	818	930	940	1,158	1,543
July	—	322	769	843	808	575	676	995	703	598	797	813	957	917	895	1,094	1,193	1,598
August	—	215	[c]—	[c]—	[c]—	[c]—	165	324	206	344	404	321	381	477	462	594	635	843
September	—	285	[c]—	[c]—	[c]—	[c]—	98	208	183	377	430	347	474	460	581	702	806	904
October	[a]76	[b]923	895	828	[d]—	767	636	[c]—	734	704	604	835	890	896	1,101	1,336	1,680	1,626
November	83	912	954	938	[d]—	980	910	[c]—	876	752	720	893	1,100	1,067	1,183	1,422	1,536	1,951
December	125	771	655	688	[d]—	820	709	[c]—	719	[g]390	697	862	827	972	993	1,055	1,329	1,561
Total number of Readers	284	4,425	7,942	7,242	5,346	3,455	7,178	6,364	7,981	7,143	7,592	8,240	10,635	10,719	11,622	12,822	15,283	18,772
Number of Days open	—	292	248	245	168	113	289	225	306	301	311	311	313	309	311	311	312	311
Average number of Daily Readers	—	15	32	30	32	31	28	28	26	24	25	26	33	34	37	41	49	60
Subscribers (Tickets sold)	—	170	235	284	207	121	420	374	618	443	638	544	[j]661	764	[k]	—	—	—

[a] Opened in October 1852, from 10 to 4 p.m.

[b] Opened in October 1853, from 10 to 9 p.m.

[c] Closed; vacation.

[d] Closed; removed from Marlborough House to South Kensington; re-opened in June 1857, from 10 to 10 p.m. on Mondays, Tuesdays, and Wednesdays; from 10 to 7 p.m. on Thursdays and Fridays; and 10 to 4 p.m. on Saturdays.

[e] Closed; removed to rooms in Art Museum under Turner Gallery.

[f] Opened from 10 to 10 p.m. on Mondays, Tuesdays, and Saturdays, and from 10 to 4, 5, or 6 p.m. on Wednesdays, Thursdays, and Fridays.

[g] Closed in December 1861 for 10 days; the death of the Prince Consort.

[h] Another room added to Library.

[i] Subscribers' tickets for Museum and Library issued at Catalogue Sale Stall, not included in number of "Subscribers."

[k] Issue of Subscribers' tickets ceased in Art Library. Reading-room removed to west corridor of north court of Museum.

NUMBER of VOLUMES, PHOTOGRAPHS, &c. borrowed by Schools of Art, 1857 to 1869.

Marked * are Photographs, Prints, or Drawings.

—	1857-58.	1859.	1860.	1861.	1862.	1863.	1864.	1865.	1866.	1867.	1868.	1869.
Aberdeen	4	–	–	–	–	–	–	–	–	–	–	–
Andover	–	–	–	–	–	–	3	2	–	–	–	
Basingstoke	–	–	–	–	–	–	2	–	–	–	–	–
Bath	–	–	2	2	1	–	–	–	–	17	15	–
Birkenhead	–	–	–	–	–	6	12	19	–	–	–	–
Birmingham		*118	2	5	3	–	10 *50	–	–	–	–	–
Boston	–	–	–	–	7	9	17	11	3	4	3	4
Bridport	–	–	–	–	–	–	–	–	–	–	3	6
Brighton	–	*105	–	–	–	–	–	2	1	–	–	–
Bristol	–	–	–	–	–	–	14	–	–	–	–	–
Cardiff	–	–	–	–	–	–	–	–	–	–	3	8
Chester	6	3	4	6	–	7	12	8	21	–	–	–
Cirencester	–	–	–	5	5	1	–	–	–	–	–	–
Darlington	–	–	2	–	–	–	5	5	11	9	3	3
Devizes	–	–	–	–	–	–	–	–	–	–	9	–
Devonport	–	–	2	4	5	–	8	–	–	–	–	9
Dudley	6	6	–	14	–	–	–	–	–	–	–	5 26*
Dundee	–	10	13	–	–	*54	–	–	–	–	–	–
Durham	6	–	–	–	–	–	–	–	–	–	–	–
Exeter	–	–	–	–	–	–	–	–	4	–	–	–
Frome	–	–	–	–	–	–	–	–	–	–	8	5
Glasgow	4	5	6	–	1	5	1	–	–	–	–	–
Gloucester	–	–	7	6	–	*106	3 *38	14	3	3	7	6
Greenock	–	3	–	–	–	–	–	–	–	–	–	–
Halifax	–	–	–	–	–	*49	–	6	5	1	–	1
Hanley	–	4	–	–	–	–	–	–	–	–	–	–
Ipswich	–	–	–	–	*56	–	–	2	–	–	–	–
Kidderminster	–	–	–	–	–	–	–	–	4	–	–	–
Lambeth	–	–	–	–	–	*85	8 *40	5 *59	8	15	11 *25	11
Leeds	–	–	–	–	5	–	–	–	–	–	–	–
Lewes	–	–	–	–	–	–	–	–	–	–	–	6
Limerick	1	–	–	–	–	–	–	–	–	–	–	–
Lincoln	–	–	–	–	–	–	6	7	–	–	1	6
London :—												
Bloomsbury	–	–	–	–	–	*102	–	–	–	–	–	–
Charterhouse	–	–	–	–	–	–	–	–	–	–	–	5
Kensington	–	–	–	–	–	–	–	–	24	12	11	14 *6
Marylebone	–	–	–	–	–	–	1	7 *6	2	3	–	–
St. Martin's	–	–	–	–	–	–	–	–	–	8	–	–
Spitalfields	–	–	–	–	–	–	*2	4	–	–	1	6
Macclesfield	1	–	–	3	–	–	–	–	–	–	1	2
Newcastle-on-Tyne	24	9	–	–	–	–	–	–	–	–	5	12
Newcastle-under-Lyme	1	–	1	9	2	14	5	–	–	–	–	–
Norwich	17	–	–	–	–	–	1	3	3	–	–	–
Nottingham	2	4	–	7	8	–	–	–	10	10	9	–
Oxford	–	–	–	–	–	–	–	–	–	–	–	17
Penzance	7	–	–	–	–	–	–	–	–	–	–	1
Perth	–	–	–	–	–	–	–	3	–	–	–	–
Plymouth	–	–	–	–	–	–	–	–	2	–	–	–
Preston	–	–	–	–	–	–	–	–	–	7	4	–
Reading	–	–	–	–	–	–	5	–	–	–	–	6
Salisbury	–	–	–	–	–	–	–	1	–	–	–	–
Sheffield	–	–	–	–	–	2	–	–	–	–	–	–
Shrewsbury	–	–	–	–	–	8	4	12	–	–	–	6
Stoke	–	–	5	8	–	–	–	–	–	–	–	1
Stroud	–	–	–	–	–	5	–	–	2	–	–	2
Taunton	–	–	–	–	–	–	–	–	4	–	–	–
Torquay	–	–	–	–	–	–	–	–	–	–	3	1
Trowbridge	–	–	–	–	–	–	–	–	–	16	–	–
Truro	6	3	1	–	–	–	–	–	–	–	–	–
Warminster	–	–	–	–	–	–	–	–	–	5	–	–
Worcester	8	–	–	–	–	–	–	–	–	–	–	–
Yarmouth, Great	2	–	1	1	4	12	11	–	–	–	–	–
York	–	–	–	–	*12	–	–	–	–	–	–	–
Total Vols.	102	47	49	70	41	6	123	111	107	120	97	143
Total Prints, &c.	–	313	–	–	68	48	130	65	–	–	25	32

Appendix D.

REPORT BY MR. SODEN SMITH.

DONATIONS to the NATIONAL ART LIBRARY, 1869.

Donations.

H.I.M. THE EMPEROR OF THE FRENCH.—A collection of 4,854 engravings from the Chalcographie of the Louvre.

H.R.H. THE CROWN PRINCESS OF PRUSSIA.—Nine photographs of St. Jacobi-Kirche in Stettin.

AGNEW & SONS, MESSRS.—Catalogue of the Manley Hall Collection. 1867. 8vo.

ARCHITECTURAL ASSOCIATION, THE.—The Architectural Association Sketch Book. Vols. 2 and 3. Folio.

ART UNION OF LONDON.—Thirty-third Report of the Art Union of London. 1869. 8vo.

ASTON, J. R.—A treatise on Mathematics, by Pryde. 1868. 12mo.

AXTON, W. E.—Lithographed Portrait of the Rev. William Nunn, M.A.

BARTIN, G. H.—L'Album de la Fabrique. Guide répertoire de l'Acheteur en Gros. 1869. 4to.

BAYLES, W. E.—School Museums, with suggestions for their formation. 1869. 8vo. ph.

BELGIAN LEGATION.—Musée Wiertz. 46 photographs of paintings from the Musée Wiertz.

BELL, JOHN.—Albert the Good. A few remarks on the proposed statue, by John Bell. 8vo. ph.

BERRI, D. G.—Monograms, by D. G. Berri. 1869. 8vo.

BIRMINGHAM FREE LIBRARIES COMMITTEE.—Seventh report of the Free Libraries Committee, Birmingham. 1868. 8vo. ph. Two copies.

BLADES, W.—List of medals, jettons, &c., by W. Blades. 1869. 12mo.

BONOMI, JOSEPH.—The alabaster Sarcophagus of Oimenepthah I., king of Egypt, drawn by Joseph Bonomi, and described by Samuel Sharpe. 1864. 4to. Catalogue of the Egyptian antiquities in Hartwell Museum. 1858. 4to.

BRAZILIAN COMMISSIONERS.—Relatorio sobre a Exposicão Universal de 1867. 2 vols.

BRITISH MUSEUM, TRUSTEES OF.—Guide to the Autograph Letters in the British Museum. 1869. 12mo. Guide to the Christy Collection in the British Museum. 1868. 12mo. Guide to the collection of prints bequeathed by Felix Slade. 1869. 12mo. Guide to the printed books exhibited to the public in the British Museum. 1868. 12mo. Guide to the Vase Rooms in the British Museum. 1868. 12mo. Inscriptions in the Hieratic and Demotic character in the British Museum. 1868. Folio.

BROUGHTON, V. DELVES.—The New Testament, with Commentary by Nicholas de Lyra, in Latin, 14th century. 1497. Small folio.

BURKE, Sir J. BERNARD.—Reports and returns of Irish Records. Folio.

CASSELL & Co., MESSRS.—Arms and armour, by C. Boutell. 1869. 8vo.

CHAFFERS, W.—Series of photographs of archæological interest at the Leeds Exhibition in 1868. 4to.

CHARLES, R.—The Cabinet Maker, by R. Charles. 1868. 4to.

COLE, LIEUT. H. H., R.E.—Agra Exhibition Catalogue. 1867. 4to.

COLLINSON, R.—Sketch for completing the Arcades of the Garden of the Royal Horticultural Society in 1868.

CURLING, T. B.—Seven engraved Portraits.

DALLAS, DUNCAN C.—Nine specimens of Dallastype.

DILKE, Sir C. W., Bart., M.P.—A collection of books and pamphlets on the London Exhibition of 1851 and Paris Exhibition of 1855. Third portion.

DOGNEE, M.—Les Arts Industriels, par Dognée. 1869. 8vo. Six lithographs, Modèles d'Ornements.

DORANGE, M.—La Collégiale de Saint-Martin de Tours. 1869. 8vo. Un Coffret à bijoux de Marie-Stuart de France. 1868. Folio.

EITELBERGER, R.—Entwürfe für Prachtgefässe in Silber und Gold, von Strado. 1869. Folio.

ELKINGTON & Co., MESSRS.—Catalogue (illustrated) of silversmith's work exhibited in the Exhibition of 1862. Folio.

ELLIS, G.—Engraved portrait of Captain Macbride.

EXETER DIOCESAN ARCHITECTURAL SOCIETY.—Transactions of the Exeter Diocesan Architectural Society. Vol. 2, pt. 1. 4to.

GEFLOWSKI, E. E.—Albert the Good. The memorial cross in Hyde Park. 1869. 8vo. ph. Two copies.

GIUSTI, SIGNOR P.—Three photographs of pen and ink sketches of ornamental carvings, by P. Giusti.

GODWIN, G.—Something about masons' marks in various countries, by George Godwin. 1869. 8vo. ph.

HAWKINS, C.—Engraved Portrait of Sir Benjamin Brodie, Bart., F.R.S.

HAY, ROBERT J. A.—Catalogue of Egyptian Antiquities belonging to R. Hay, of Linplum. 1869. 12mo.

HUBBARD, Rev. A.—Preces S. Niersis Clajensis Armeniorum Patriarchæ, Venetiis. 1823.

JONES, H. LONGUEVILLE.—Israel Sylvestre, by H. L. Jones. Extract from the Gentleman's Magazine, May and June 1856. 8vo.

JONGH, JOHN J. DE.—Three ornamental cut paper Chinese drawings.

KENDRICK, Dr. JAMES.—Profiles of Warrington Worthies, by James Kendrick. 2nd edition. 1854. 4to. Two copies.

KESSON, J.—Lexicon Islandico-Latino-Danicum Biörnonis Haldorsonii. 1814. 4to. Journal of Gedenkwaardige Beschijving Van W. Y. Bontekoe. 4to. Münz-, Maass- und Gewichtsbuch, von Noback. 1852. 8vo.

KINDT, HERMANN.—Catalogue der Grossherzoglichen Bibliothek in Neustrelitz. 1862. 8vo.

LAW COURTS COMMISSION.—Block plans and sections for the New Law Courts, prepared by G. E. Street. Two copies.

LEIGHTON, JOHN.—Address to the Royal Academy of Arts upon the condition and future of its Library. 1869. 8vo.

LEVI, PROF. LEONE.—The Education of the Merchant. A lecture by Leone Levi. 1869. 8vo. ph.

LORENZI, G.—Monumenti del Palazzo Ducale di Venezia. Part I. 1868. 4to.

MACLURE & Co., MESSRS.—Lithographed Portrait of the late John Phillips, R.A.

MACMILLAN & Co., MESSRS.—Progressive Drawing Book, by P. Delamotte. 1869. 8vo.

MARTIN, THEODORE.—Calotypes by Hill and Adamson. 1843. Folio.

METROPOLITAN BOARD OF WORKS.—Specifications and drawings of the Main Drainage and Thames Embankment.

MOREL, M.—Introduction de l'Architecture par Boutpey. 8vo. ph. L'Art Décoratif, Exhibition de 1867, par Toytot. 8vo. ph. L'Art Japonnais, par Chesneau. 1869. 8vo. ph. L'Enseignement de l'Architecture par Viollet-le-Duc. 1869. 8vo. ph.

NATTAPLES, M.—Rapport à l'Académie des Beaux Arts de Louvaine, 1865. 8vo.

NETHERLANDS GOVERNMENT, THE.—Le Moyen-Âge et la Renaissance dans les Pays-Bas, par Van der Kellen. Livs. 1–8.

NOBLE, M.—Six photographs of the National Memorial to Sir John Franklin.

ONDAATJE, MAT. P. J.—Engraving by Chretien after Fouquet, of P. P. J. Quint Ondaatje.

PALLISER, Mrs. BURY.—A collection of 157 wood engravings of Lace.

PERKINS, C. C.—Du Moulage en Plâtre, par C. C. Perkins. 1869. 8vo. ph.

PIGNET.—Almanacke for 1587, by W. Farmer. 8vo.

POTTER, F. SCARLET.—Papers read before the Associated Arts Institute, edited by F. S. Potter. 1869. 8vo.

POWNALL, HENRY.—Engraved Portrait of Sir John Fielding, with printed description of badge worn by him.

PRUSSIAN COMMISSION.—Berichte über den Landwirthschaftlichen Theil der Pariser Welt-Ausstellung. Herausgegeben von C. von Salviati. 1867. 2 vols. 8vo.

REDGRAVE, R.—Discourses to students of the Royal Academy, by Sir M. A. Shee and Sir C. L. Eastlake, 1845, 1855, and 1859. 4to.

Appendix D. Report by Mr. Soden Smith.

Redgrave, S.—Engraved Portraits of Sir Walter Raleigh and Elizabeth Throgmorton, Lady Raleigh.

Reusens, Prof.—Iconographie. Martyrs de Gorcum, par Reusens. 1867. 12mo, with six lithographed portraits. Les Catacombes de Rome, par Reusens. 12mo. ph.

Richardson, H. S.—Collection of Rubbings of examples of ancient book-bindings, collected by H. S. Richardson.

Robinson, J. C.—A Antiga Escola Portugueza de Pintura, por J. C. Robinson. 1868. 8vo. ph. Descriptive Catalogue of Mr. Malcolm's collection of Pictures, by J. C. Robinson. 1869. 8vo. Early Portuguese School of Painting, by J. C. Robinson. 1866. 8vo. Memoranda on fifty Pictures selected from a collection of works of the ancient masters, by J. C. Robinson. 1868. 8vo. The National Gallery considered, by J. C. Robinson. 1867. 8vo. ph.

Scott, W. L.—Four photographs from original Miniatures, by Fontana.

Semper, Prof. G.—Ueber Baustyle. Ein Vortag von Gottfried Semper. 1869. 8vo. ph.

Sharpe, S.—Alexandrian Chronology, by S. Sharpe. 1857. 4to.

Sheardown, W.—Moat and Mound, by W. Sheardown. 1869. 12mo.

Siret, M. A.—Journal des Beaux Arts, 1860-67. 7 vols. 4to.

Smith, T.—Two wood engravings of a carpet designed by Sir M. Digby Wyatt, exhibited in the Paris Exhibition of 1867.

Smith, W.—Photograph of T. Stothard, R.A., after Weekes.

Smithsonian Institute, Washington.—Washington Astronomical Observations. 1866. 8vo.

Souza Holstein, Marquez de.—A Antiga Escola Portugueza de Pintura, por J. C. Robinson. 1868. 8vo. ph. Two copies. Catalogue da Galeria Nacional de Pintura de Lisboa, 1868. 12mo. Two copies.

Spiers, R. Phené.—Egyptian Architecture. A paper read before the Architectural Association by R. Phené Spiers, May 1867. 8vo. ph.

Stock, Rev. J.—Engraved Portrait of John Stock, Esq.

Stockholm, The Principal Librarian of the Royal Library.—Six engravings of the funeral ceremonies in honour of Queen Ulrich.

Stuart, J.—Sculptured Stones of Scotland, by John Stuart. 4to.

Sutton, C. W.—Illustrations of the Pioneers, by Fairman and Inman. 1824. 4to. ph. Hints upon Tints, by Fletcher. 1836. 32mo.

Sylvester, Prof. J. J.—Address to the British Association, Exeter, August. 1869. 8vo. ph.

Thomas, W. Cave.—Mural or Monumental Decoration, by W. Cave Thomas, 1869. 8vo.

Trevelyan, Sir W. C., Bart.—Collection of dresses of all nations. 1757. 2 vols. 4to. Domkirken i Roeskilde. 1833, Heft 1. Folio. Ten sheets of wood-cuts of celebrated painters, sculptors, &c., by Vasari.

United States Patent Office.—Reports of the United States Patent Office. 1866. 3 vols. 8vo.

Watson, Dr. Forbes.—Tree and Serpent Worship in India, by James Fergusson, 1868. Folio.

Wyatt, Sir M. Digby.—British Art of the 16th century, by Sir M. D. Wyatt. 1868. 4to. History of the manufacture of clocks, &c., by Sir M. D. Wyatt. 1868. 16mo.

List of Illustrated Books bequeathed by the Rev. Chauncy Hare Townshend.

Second Portion.

Books included in Townshend Bequest.

Acta.—Virten bergensis ducis, et Argetinæ Reipublicæ Acta, in Tridentino concilio. 16mo. Basileæ, 1553.

Album.—Album du Magazin pittoresque, cent gravures choisies dans la collection. 4to. 100 wood engravings. Paris, 1862.

— Ten Photographs. Oblong folio.

ALBUM.—The Court Album: portraits of the Female Aristocracy. Engraved from drawings by the best artists. 6 vols. 4to. 71 plates. London, 1851–56.

ALCOCK, Sir R.—The Capital of the Tycoon: a narrative of a three years' residence in Japan. With maps and numerous illustrations in cromolithography and on wood. 2 vols. 8vo. London, 1863.

ALEXANDER, Miss.—Moral Songs. Third edition. 12mo. London, n.d.

ALMANACK.—The Illustrated Almanack, 1867. Royal 8vo. Coloured lithographs and woodcuts. London, 1867.

— Punch's Twenty Almanacks, 1842–1861. 4to. Wood Engravings. London, 1842–1861.

ALTES UND NEUES aus der belehrten Welt. 12mo. Zurich, 1717–18.

AMOS, A.—The Great Oyer of Poisoning: The Trial of the Earl of Somerset for the poisoning of Sir Thomas Overbury. 8vo. Two portraits. London, 1846.

ANDERSEN, Hans C.—The Ice Maiden by Hans Christian Andersen. Translated by Mrs. Bushby; with drawings by Zwecker, engraved by Pearson. Post 4to. London, 1863.

ANNUALS.—Fisher's Drawing Room Scrap-Book, 1852. By Charles Mackay, LL.D. 4to. 36 plates. London, 1852.

— The Keepsake, 1851 to 1856. Edited by Miss Power. With engravings, from drawings by the first Artists. 6 vols. royal 8vo. London, 1851–1856.

APPEL, Joseph.—Appel's Repertorium zur Münzkunde des Mittelalters und der neuern Zeit. Mit Abbildungen der seltensten Münzen und Medaillen. 4 vols. in 7. 8vo. Plates. Pesth und Wein, 1820–29.

APPEL, J.—Joseph Appel's Münz- und Medaillen-Sammlung. 4 vols. in 1. 8vo. 17 plates. Wien, 1805.

APPELL, J. W.—Le Rhin et ses Bords. 8vo. 16 plates. Imperfect. Parts 1–5. Darmstadt, 1853.

ARAGO, J.—Souvenirs d'un Aveugle. Voyage autour du Monde; nouvelle édition revue et augmentée, illustrée de 22 grandes vignettes, portraits et de 150 gravures dans le texte enrichie de notes scientifiques par M. François Arago, et précédée d'une introduction par M. Jules Janin. 2 vols. 8vo. Paris, n.d.

ART JOURNAL.—The Art Journal Illustrated Catalogue. 4to. London, 1851.

ARTS.—Les Beaux Arts. Illustration des Arts et de la Littérature. 4to. Woodcuts. Paris, 1843.

BÆDEKER, K.—La Suisse, les Lacs Italiens, Milan, Turin, Gênes et Nice. Quatrième édition. 12mo. Coblenz, 1859.

— Switzerland and the adjacent portions of Italy, Savoy, and the Tyrol. Handbook for Travellers. With maps, plans, and panoramas. Third edition, revised and augmented. Post 8vo. Coblenz, 1867.

BALL, J.—Peaks, Passes, and Glaciers. Edited by John Ball. 8vo. Maps and woodcuts. London, 1859.

BALLANTINE, J.—The Life of David Roberts, R.A. With etchings and facsimiles of pen-and-ink sketches by the artist. 4to. Edinburgh, 1866.

BARHAM, T.—The Ingoldsby Legends. With 60 illustrations by George Cruikshank, John Leech, and John Tenniel. 4to. London, 1864.

BARTLETT, W. H.—Footsteps of Our Lord and his Apostles in Syria, Greece, and Italy. Illustrated with engravings on steel and woodcuts by Branston. Royal 8vo. London, 1851.

— Forty Days in the Desert on the Track of the Israelites. Fifth edition. Royal 8vo. Illustrated. London, n.d.

BEAMISH, R.—The Psychonomy of the Hand. With illustrative tracings. 4to. London, 1865.

BECKER, W. G.—Zweihundert seltene Münzen des Mittelalters in genauen Abbildungen mit historischen Erläuterungen. 4to. 7 plates. Dresden, 1813.

BELIN, J. L.—Le Simplon et l'Italie Septentrionale. Deuxième édition. Royal 8vo. 14 plates. Paris, 1843.

Appendix D. REPORT BY MR. SODEN SMITH.

BEWICK, T.—A General History of Quadrupeds. The figures engraved on wood by T. Bewick. Second edition. Royal 8vo. Newcastle-on-Tyne, 1791.

History of British Birds. The figures engraved on wood by T. Bewick. 2 vols. royal 8vo. With supplements (1821) to both parts. Newcastle, 1797, 1804, and 1821.

— —— Another copy. A different edition of the supplements, with same title pages.

— —— Another copy. Without supplements. Portrait of Bewick.

— —— Another copy. Without supplements or portrait.

— —— Another edition. With supplements (1821) to both parts. 2 vols. 8vo. Newcastle, 1797, 1804, and 1821.

— Figures of British Land Birds engraved on wood by T. Bewick. To which are added, a few Foreign Birds, with their vulgar and scientific names. Vol. I. Royal 8vo. Newcastle-upon-Tyne, 1800.

— A Memoir of Thomas Bewick, written by himself. Embellished by numerous wood engravings, designed and engraved by the author for a work on British Fishes, and never before published. 8vo. Newcastle-on-Tyne, 1862.

BEWICK, T. and J.—A Descriptive and critical Catalogue of Works illustrated by Thomas and John Bewick. Imperial 8vo. London, 1851.

BIRDS.—The Book of Exotic Birds. A series of richly coloured plates, accompanied by descriptions. 8vo. London, n.d.

BLACKBURN, H.—Travelling in Spain in the Present Day. 8vo. London, 1866.

BLANCHET, R.—Mémoire sur les Monnaies des Pays voisins du Léman. 8vo. Map and 8 plates, 1854.

— Mémoire sur les Monnaies des Rois de la Bourgogne Transjurane. 4to. 2 plates. Zurich, 1856.

BLAVIGNAC, J.-D.—Armorial Genevois. Essai historique sur les armoiries, les sceaux, les médailles et les monnaies de Genève. 8vo. Plates. Genève. 1849.

— Histoire de l'Architecture sacrée du quatrième au dixième siècle dans les anciens Évêchés de Genève, Lausanne, et Sion. Text, 8vo.; atlas, oblong folio. Paris, 1853.

BOHN, H. G.—A Guide to the Knowledge of Pottery, Porcelain, and other Objects of Vertu. Numerous wood engravings. Post 8vo. London, 1857.

BRACKENBURY, G.—The Campaign in the Crimea. Illustrated by 40 plates, from drawings taken on the spot by William Simpson. Imperial 8vo. London, 1855.

BROWN, J. H.—Spectropia; or, surprising spectral illusions. Small 4to. 6 illustrations. London, 1866.

BUDGEN, Miss L. M.—Episodes of Insect Life. By Acheta Domestica. 3 vols. 8vo. Illustrations. London, 1849–51.

BUDGEN, L. M.—Live Coals; or, Faces from the Fire. 4to. 35 coloured plates. London, 1867.

BURNS, Robert.—Poems, chiefly in the Scottish Dialect. 2 vols. 32mo. With poems in MS. Portrait and plate. Edinburgh, 1802.

BURSILL, H.—Hand Shadows to be thrown upon the Wall. From original designs by Henry Bursill. Fifth edition. 4to. 18 plates. London, 1860.

— —— Second series. Third edition. 4to. London, 1860.

— —— Another series. 4to. Coloured woodcuts.

C. J.—Vevey et ses environs. Par J. C. 8vo. Plates. Genève, 1842.

CABINET DES FÉES.—Le Cabinet des Fées; ou collection choisie des Contes des Fées, et autres contes merveilleux, ornés de figures. 41 vols. 8vo. Plates. Amsterdam, Genève, 1785–89.

CÆSAR.—Histoire de Jules César. 2 vols. 4to. Paris, 1865–66.

CAMBROUSE, G.—Catalogue raisonné des Monnaies Nationales de France. 2 vols. 4to. Plates. Paris, 1839–40.

CHAFFERS, W.—Marks and Monograms on Pottery and Porcelain. Illustrated with nearly 1,000 woodcuts. 8vo. London, 1863.

CHAM.—Impressions de Voyage de Monsieur Boniface. Oblong 8vo. 30 plates. Paris, 1844.

CHEVREUL, M. E.—The Principles of Harmony and Contrast of Colours. Translated from the French by Charles Martel. Third edition, illustrated. 8vo. London, 1859.

CLARK, H.—An Introduction to Heraldry. Embellished with 48 engravings, illustrative of upwards of 1,000 examples. The fifteenth edition. 12mo. London, 1854.

COINS.—Dissertation historique sur quelques Monnoyes de Charlemagne, de Louis le Debonnaire, de Lothaire, et de leurs successeurs, frapées dans Rome. Post 4to. Paris, 1689.

— Tableau des Monnaies d'or et d'argent des principaux États du Monde, avec leur valeur en francs, leur poids, etc. Quatrième édition. Post 4to. Paris, n. d.

COLLINS, W.—Memoirs of the Life of William Collins, Esq., R.A. 2 vols. 8vo. Portrait and 2 plates. London, 1848.

CONFESSIO.—Confessio Fidei exhibita invictiss. Impe: Carolo V. Caesari Aug. in Comicijs Augustæ. Anno 1530. 16mo. Vvitebergae, 1562.

CONSTABLE, J.—Memoirs of the Life of John Constable, Esq., R.A. By C. R. Leslie, R.A. Second. edition. Post 4to. 2 portraits and plate. London, 1854.

CORBAUX, L.—Sculpture from the Great Exhibition of 1851. Folio. 10 lithographs. London, 1851.

CORNHILL GALLERY, THE.—The Cornhill Gallery, Engravings from drawings, by Leighton, Millais, Du Maurier, Noel Paton, and others. 4to. London, 1864.

COSTUME.—A collection of coloured engravings: "Ladies' Fashions. Royal 8vo. London and Paris, 1835–1845.

CRESTS.—The Book of Family Crests. Tenth edition, much enlarged. 2 vols. Post 8vo. London, 1862.

CUPS.—Cups and their Customs. 8vo. London, 1863.

CURZON, Hon. R.—Visits to the Monasteries of the Levant. With numerous woodcuts. Third edition. 8vo. London, 1850.

DALZIEL.—A Round of Days described in original Poems and in Pictures by eminent Artists, engraved by the Brothers Dalziel. Small 4to. London, 1866.

DANTE.—Otto stampe ed un fac-simile per abbellimento all' edizione della Commedia di Dante Allighieri illustrata da Ugo Foscolo. 8vo. 9 plates. London, 1844.

DE MONTAUT, H.—Une Semaine à la Cour de France. Oblong folio. 7 coloured lithographs. Paris, n.d.

DE ROS, Lord.—Memorials of the Tower of London. With illustrations. 8vo. London, 1866.

DE SCHUBERT, Dr. G. H.—Histoire Naturelle du Règne Végétal représenté en images coloriées. Small folio. Stuttgart, n.d.

DE SIVRY, L.—Rome et l'Italie méridionale, suivis d'une description sommaire de la Sicile. Royal 8vo. 14 plates. Paris, n.d.

DICKSON, W. B.—Poultry, their breeding, rearing, diseases, and general management. New edition. With corrections and large additions by Mrs. Loudon. With illustrations by Harvey. 8vo. London, 1853.

DORÉ, G.—Two Hundred Sketches, humorous and grotesque. Large 4to. London, 1867.

DOYLE, R.—The Foreign Tour of Messrs. Brown, Jones, and Robinson. 4to. Woodcuts. London, 1854.

DUBY, P. A. T.—Traité des Monnoies des Barons de France. 2 vols. 4to. 120 plates. Paris, 1790.

— Recueil général des Pièces obsidionales et de nécessité. Gravées dans l'ordre chronologique des événemens. 4to. 31 plates. Paris, 1786.

DUMAS, A.—Crimes Célèbres. 8 vols. in 4, imperial 4to. Plates. Paris, 1839–40.

ELWES, R.—A Sketcher's Tour Round the World. With illustrations from original drawings. Royal 8vo. London, 1854.

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EMANUEL, H.—Diamonds and Precious Stones. Post 8vo. London, 1865.

FERGUSSON, J.—The Rock-cut Temples of India. Illustrated by 74 photographs taken on the spot by Major Gill. 8vo. London, 1864.

FLOWERS.—The Floral Offering. 8vo. 14 coloured plates. London, n.d.

FORSTER, J.—The Life and Times of Oliver Goldsmith. A new edition. With 40 woodcuts, after designs by Stanfield, Maclise, Leech, Doyle, and Hamerton. Post 8vo. London, 1855.

FORTUNE, R.—Three Years' Wanderings in the Northern Provinces of China. With numerous illustrations. Second edition. 8vo. London, 1847.

FOSTER, B.—Birket Foster's Pictures of English Landscapes (engraved by the Brothers Dalziel), with pictures in words by Tom Taylor. 4to. London, 1863.

FOSTER, B.—Christmas with the Poets. With 50 tinted illustrations by Birket Foster, and with initial letters and other ornaments. Royal 8vo. London, 1851.

FOSTER and MAYHEW.—The Rhine and its picturesque scenery. Illustrated by Birket Foster. Described by Henry Mayhew. Imperial 8vo. London, 1856.

FOUGÈRES et COMBROUSE.—Description complète et raisonnée des Monnaies de la Deuxième Race Royal de France. 4to. 5 maps and 23 plates. Paris, 1837.

FOUQUÉ, De la Motte.—Undine. A Romance. A new translation, with 11 illustrations, designed by Tenniel, and engraved by Bastin. Post 8vo. London, n.d.

FRANKLIN, J.—Parables of our Lord, illustrated by John Franklin. Folio. London, n.d.

GEORGE, H. B.—The Oberland and its Glaciers. With 28 photographic illustrations by Ernest Edwards, B.A. 4to. London, 1866.

GERVAIS, P.—Histoire Naturelle des Mammifères. Imperial 8vo. Paris, 1854.

GILCHRIST, A.—Life of William Blake, with selections from his poems. Illustrated in fac-simile by W. J. Linton, with a few of Blake's original plates. 2 vols. 8vo. London, 1863.

GILLRAY, J.—The Works of James Gillray, from the original plates. Atlas folio. London, n.d.

GRAY, T.—An Elegy written in a Country Churchyard. Post 8vo. Illustrated with woodcuts. London, 1854.

— Another edition. Illustrated. 4to. London, 1836.

HALL, Mrs. S. C.—Pilgrimages to English Shrines. With notes and illustrations by F. W. Fairholt, F.S.A. Post 4to. London, 1853.

HALLIDAY, A.—The Savage-Club Papers. Edited by Andrew Halliday. Illustrated. Post 8vo. London, 1867.

HAWKINS, E.—The Silver Coins of England arranged and described. 8vo. 48 plates. London, 1841.

HEAD, Sir F. B.—Bubbles from the Brunnens of Nassau. 8vo. 10 plates. London, 1834.

HONE, W.—The Every-Day Book, and Table Book. With 436 engravings. 3 vols. 8vo. London, 1827 and 1847.

— The Year-Book of Daily Recreation and Information. With 114 engravings. 8vo. London, 1849.

HOOD, T.—Up the Rhine. With original embellishments. 16mo. Frankfort, 1840.

HOOD, T., jun.—Vere Vereker's Vengeance. Idiotically illustrated by William Brunton. 12mo. London, 1865.

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— —— New edition. 8vo. London, 1854.

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HUMBOLDT and BONPLAND.—Personal Narrative of Travels to the Equinoctial Regions of the New Continent, during the years 1799–1804. With maps, plans, &c. Translated by Helen Maria Williams. 9 vols. in 8, 8vo. London, 1819–29.
HUNDERTPFUND, L.—The Art of Painting restored to its simplest and surest principles. Illustrated with coloured plates. 8vo. London, 1849.
IRELAND.—A Little Tour in Ireland. By an Oxonian. With illustrations by John Leech. Post 4to. London, 1859.
JACQUE, C.—Le Poulailler. Monographie des Poules indigènes et exotiques. Gravures sur bois par Adrien Lavielle. Deuxième édition. 8vo. Paris, 1861.
JAMESON, Mrs. A.—Characteristics of Women. With 50 vignette etchings. Fourth edition. 2 vols. 8vo. London, 1846.
JERROLD, D.—The Story of a Feather. Illustrated by G. Du Maurier. Post 4to. London, 1867.
JOHNSTONE and CROALL.—The nature-printed British Sea-Weeds. Nature-printed by Henry Bradbury. 2 vols. royal 8vo. Coloured plates. London, 1859.
JOUBERT, F. E.—Manuel de l'Amateur d'Estampes. 3 vols. 8vo. Paris, 1821.
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KEMP, E.—How to lay out a Garden. Second edition; greatly enlarged, and illustrated with numerous additional Plans and Sketches. 8vo. London, 1864.
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— The Natural History of Precious Stones and Gems, and of the Precious Metals. Royal 8vo. London, 1865.
LANTÉ.—Galerie Française de Femmes célèbres. Dessinés par M. Lanté, gravés par M. Gatine. 4to. Paris, 1841.
LARWOOD and HOTTEN.—The History of Signboards. With 100 illustrations in Fac-simile. Post 8vo. London, 1866.
LAVALLÉE, T.—Histoire de l'Empire Ottoman. Imperial 8vo. 18 plates. Paris, 1855.
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— Journal of a Landscape Painter in Southern Calabria, &c. Imperial 8vo. 2 maps and 20 plates. London, 1852.
LE BLANC.—Traité historique des Monnoies de France depuis le commencement de la Monarchie jusques à present. 4to. N. p., n. d.
LEE, Mrs. R.—Trees, Plants, and Flowers. The illustrations drawn and coloured by James Andrews. 8vo. London, 1854.
LEECH, J.—Etchings by John Leech. 4to. London, Tegg, 1842.
— Pictures of Life and Character. 2 vols. oblong folio. 3rd and 4th series. London, 1852–53.
— "Young Troublesome." Designed and etched by John Leech. Oblong 8vo. 12 plates. London, n.d.
LÉLIUS.—Les Rois de France, 66 gravures sur acier, formant la galerie complète des portraits de Versailles. Imperial 8vo. Paris, n.d.
LEIGHTON, J.—The Life of Man symbolized by the Months of the Year, in a series of Illustrations by John Leighton. 4to. London, 1866.

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LELEWEL, J.—Numismatique du Moyen-Âge. Oblong 8vo. 25 plates. Paris, 1835.

LEMON, M.—The Enchanted Doll. The illustrations by Richard Doyle. Post 8vo. London, 1850.

LINTON, E. L.—The Lake Country. With a Map and 100 Illustrations drawn and engraved by W. J. Linton. Small 4to. London, 1864.

LLANOVER, Right Hon. Lady.—The Autobiography and Correspondence of Mary Granville, Mrs. Delany. 6 vols. royal 8vo. Portraits. London, 1861–62.

LOHNER, C.—Die Münzen der Republik Bern. Mit zwei Münztafeln. 8vo. Zürich, 1846.

LONDON.—Les Beautés Architecturales de Londres. Oblong folio. 36 plates. Paris [1851].

LOUDEN, Mrs.—Domestic Pets. The engravings from drawings by Harrison Weir. 12mo. London, 1851.

LONGFELLOW, H. W.—Poems. Illustrated with upwards of 100 engravings on wood, from designs by Jane E. Benham, Birket Foster, and others. 8vo. London, 1852.

LUTHER, M.—The Life of Martin Luther, in 50 pictures, from designs by Gustav König. Imperial 8vo. London, 1853.

— Illustrations of the Life of Martin Luther. Engraved after original paintings by P. A. Labouchere, with letter-press descriptions by J. H. Merle d'Aubigné, D.D. Small folio. 12 plates. London, 1862.

LYCOSTHENES, C.—Wunderwerck, oder Gottes unergründtliches Vorbilden. Folio. Woodcuts. Imperfect. Basel, 1557.

MCIAN, R. R.—Highlanders at Home, or, Gaelic Gatherings. Folio. 23 plates. London, n.d.

MACLEOD, Miss J.—Fifteen Designs illustrating Tears. With descriptive Poems, by Mary Elizabeth. Small folio. London, 1851.

MAWE, J.—A Treatise on Diamonds and Precious Stones. With coloured plates. Second edition. 8vo. London, 1823.

MAXIMILIAN.—Abbildungen der bronzenen Statuen welche das Grabmahl Kaiser Maximilian I. umgeben, und in der Hofkirche zu Innsbruck aufgestellt sind. Folio. 30 plates. Innsbruck, n.d.

MAYHEW.—The Greatest Plague of Life. Illustrated by George Cruikshank. Post 8vo. London, n.d.

METEYARD, Miss E.—The Life of Josiah Wedgwood. With numerous illustrations. Royal 8vo. London, 1866.

MEYER, Dr. H.—Die Bracteaten der Schweiz. Mit drei Münztafeln. Two numbers. 4to. ph. Zürich, 1845, 1858.

MILLER, T.—Picturesque Sketches of London, past and present. With numerous engravings. 8vo. London, n.d.

MILTON, J.—L'Allegro and Penseroso. With 30 illustrations. 4to. London, 1848.

— Milton's Paradise Lost. Illustrated by Gustave Doré. Folio. London, 1866.

MOORE, T.—Moore's Irish Melodies. Illustrated by D. Maclise, R.A. Imperial 8vo. London, 1846.

MOREL-FATIO, A.—Monnaies Suisses de le Trouvaille de Saint-Paul frappées a Zurich, Bale, etc., au XIe. siecle. Extrait de la Revue Numismatique, 1849. 8vo. Blois, 1850.

— Imitations ou Contrefaçons de la Monnaie Suisse fabriquées à l'étranger aux 16ème et 17ème siècles. 8vo. ph. Zurich, 1862.

— Monnaie inédite de Gillei-Franquemont. 8vo. ph. Bruxelles, 1863.

— Macagno et Pomponesco. Imitations de diverses Monnaies Suisses. 4to ph. Plate. Zurich, 1864.

— Cortemiglia et Ponzone. Monnaies inédites. 8vo. ph. Bruxelles, 1865.

NAUDIN.—Naudin's Portfolio. Edited by Hamilton Hume. 4to. Parts 1–3. 15 photographs. London, n.d.

NODIER, C.—Picture Story Books by great authors and great painters. Illustrations from designs by Tony Johannot. 12mo. London, 1846.

OFFICES.—Occasional Offices of the Church. Illuminated MS. Imperfect. c. 1500. 105 leaves, 7 illuminations, illuminated borders, and initial letters.

PANORAMA.—Panorama du Mont Pilate. 8vo. Folded coloured engraving. Zurich, n.d.

PAPILLONS, Les.—Les Papillons. Orné d'un grand nombre de Figures. Oblong 12mo. 16 plates. Paris, n.d.

PARRY, J.—John Parry's Manual of Musical Terms. Oblong 8vo. 12 plates. London, n.d.

PAVIA.—Une visite à la Chartreuse près de Pavie. 8vo. ph. 4 plates. Milan, 1857.

PAYN, J.—Furness Abbey and its Neighbourhood. By James Payn. 4to. illustrated with photographs. London, n.d.

PRISSE, E.—Oriental Album, illustrated by E. Prisse. With descriptive letterpress by J. H. St. John. Folio. 31 plates. London, 1851.

PROMIS, D.—Monette dei Reali di Savoia. 2 vols. 4to. Two copies. Torino, 1841.

RITZ, R.—Souvenir de Loëche la Ghemmi et les environs. Ob. 8vo. 24 lithographic views. [Paris ?], n.d.

ROSS, Sir J.—Narrative of a second voyage in search of a North-West Passage. 2 vols. 4to. Charts and plates. London, 1835.

ROSSETTI, C.—Goblin Market and other Poems, with two designs by D. G. Rossetti. 12mo. London, 1862.

RUBENS, P. P.—La Gallerie du Palais du Luxembourg peinte par Rubens, dessinée par les Ss. Nattier. Atlas folio. Paris, 1710.

RUSKIN, J.—The Stones of Venice, with illustrations drawn by the author. 3 vols. (only). Imperial 8vo. London, 1851 and 1853.

RUSKIN, J.—The Two Paths; being Lectures on Art, and its Application to Decoration and Manufacture. With 2 plates. Post 8vo. London, 1859.

SAINT-PIERRE, B.—Paul and Virginia. Translated by Helen Maria Williams. With 6 elegant engravings. 6th edition. 12mo. London, 1802.

SAINT-PIERRE, J. B. H. de.—The Works of J. B. H. de Saint-Pierre. Revised and corrected by the Author. By Frederic Shoberl. 4 vols. 8vo. Plates. London, 1807.

SAZERAC, H. L.—La Siesta. 4to. 13 plates. Paris, n.d.

SCHILLER.—Schiller's Lay of the Bell. Translated by the Right Hon. Sir E. B. Lytton, Bart. With illustrations by T. Scott and J. D. Cooper, after designs by Moritz Retzsch. Ob. 8vo. London, 1865.

SCHILLER.—Zehn Stahlstiche zu Schillers Werken. Octav-Ausgabe in zehn Bänden. 8vo. 10 engravings. Stuttgart, 1844.

SCHNORR, J.—Schnorr's Bible Pictures. 4to. 180 woodcuts. London, 1860.

SCOTT, Sir W.—The Lay of the Last Minstrel. Illustrated by 100 engravings on wood from drawings by Birket Foster and John Gilbert. 8vo. Edinburgh, 1854.

SCOTT, Sir W.—The Poetical Works of Sir Walter Scott, Bart. Imperial 8vo. Illustrated. Edinburgh, 1865.

SEASONS.—Poetry of the Year. Passages from the Poets descriptive of the Seasons. With coloured illustrations. Imperial 8vo. London, 1853.

SILVER, J. M. W.—Sketches of Japanese Manners and Customs. Illustrated by Native drawings, reproduced in chromo-lithography. 4to. London, 1867.

SIRET, A.—Dictionnaire des Peintres de toutes les Écoles. Imperial 8vo. Bruxelles, 1848.

SMILES, S.—Lives of the Engineers. With portraits and numerous illustrations. 3 vols. 8vo. London, 1861.

SMITH, A.—The Story of Mont Blanc. 8vo. Plate and woodcuts. London, 1853.

SMITH, C.—Elegiac Sonnets, and other Poems. 8th edition. 2 vols. 12mo. Portrait and 9 plates. London, 1797.

SMITH, Prof. C. Piazzi.—Our Inheritance in the Great Pyramid. With photographs, maps, and plates. Post 8vo. London, 1864.

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SOWERBY, G. B.—A Conchological Manual. Illustrated by upwards of 660 figures. 3rd edition. 8vo. London, 1846.

STEBBING, Dr. H.—The Christian Graces in Olden Times, a series of female portraits. With poetical illustrations. Imperial 8vo. London, 1852.

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— Incidents of Travel in Yucatan. Illustrated by 120 engravings. 2 vols. 8vo. London, 1843.

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SWAMMERDAM, J.—Historia Insectorum Generalis, cum figuris. Post 4to. Batavorum, 1685.

SWITZERLAND.—Illustrirter Alpen-Führer. Malerische Schilderungen des Schweizerlandes. Mit 200 illustrationen. Post 8vo. Leipzig, 1854.

TAYLOR, Rev. E. S.—The History of Playing Cards. Foolscap 8vo. London, 1865.

TENISON, Lady L.—Castile and Andalucia. Imperial 8vo. Plates and vignettes. London, 1853.

THACKERAY, W. M.—The Kickleburys on the Rhine. Post 4to. Illustrated. London, 1850.

TIMBS, J.—Nooks and Corners of English Life. With illustrations. Post 8vo. London, 1867.

TÖPFFER, R.—Nouvelles Genevoises. 2e édition illustrée. 8vo. Paris, 1849.

— Voyages en Zigzag, dans les cantons Suisses et sur le Revers Italien des Alpes. Illustrés par M. Calame. Deuxième édition. Imperial 8vo. Paris, 1846.

— Nouveaux Voyages en Zigzag, à la Grande Chartreuse, autour du Mont Blanc, etc. Illustrés d'après les dessins originaux de Töpffer par MM. Calame, Karl Girardet, and others. Imperial 8vo. Paris, 1854.

TOULMIN, C.—Lays and Legends, illustrative of English Life. With illustrations. 4to. London, 1852.

TRACHSEL, C. F.—Die Münzen und Medaillen Graubündens. 8vo. ph. Berlin, 1866.

TRISMOSIN, S.—La Toyson d'Or, ou la Fleur des Thresors. Traduict d'Allemand en François, par L. I. 12mo. Paris, 1613.

TROLLOPE, Rev. E.—Illustrations of Ancient Art, selected from Objects discovered at Pompeii and Herculaneum. 4to. 44 plates. London, 1854.

TROYON, F.—Description des Tombeaux de Bel-Air près Cheseaux sur Lausanne. Small folio. 7 plates. Lausanne, 1841.

— Habitations Lacustres des Temps anciens et modernes. 17 planches, 380 figures. 8vo. Lausanne, 1860.

TROYON, R.—Essais d'Autographie, par R. T. Oblong 8vo. 24 plates, n.p. 1842.

— Histoire de Mr. Tabot. Ob. 8vo. 52 plates. Genève, 1833.

— Les Amours de Mr. Vieux Bois. 2nd edition. Ob. 8vo. 93 plates. Genève, 1839.

— Monsieur Pencil. Ob. 8vo. 72 plates. Genève, 1840.

— Le Docteur Festus. Ob. 8vo. 88 plates. Genève, 1842.

— Voyage autour du Mont Blanc, etc. Autographié par R. T. Oblong 8vo. 49 plates. Genève, 1843.

— Histoire d'Albert par Simon de Nantua. Oblong 8vo. 41 plates. Genève, 1845.

— Essai de Physiognomonie par R. T. 4to. Genève, 1845.

— Mr. Cryptogame. Oblong 8vo. 64 plates. Paris, 1846.

TSCHUDI, F. de.—Les Alpes. Description pittoresque de la Nature et de la Faune Alpestres. 8vo. Berne, 1859.

TUPPER, M.—Proverbial Philosophy. Illustrated. Small 4to. London, 1854.

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Books bequeathed by Rev. C. H. Townshend.

TURNER, J. M. W.—Turner's Liber Studiorum. Photographed from the original drawings in the South Kensington Museum. 2 vols. Folio. London, 1861.

VEDDER, D.—The Story of Reynard the Fox, a new version, by David Vedder. Illustrated by Gustav Canton. 4to. Edinburgh, 1852.

VERSAILLES.—Versailles: Palais, Musée, Jardin. Imperial 8vo. Portraits and plates. Paris, n.d.

VON HALLER, G. E.—Schweizerisches Münz-und Medaillen-Kabinet. 2 vols. 8vo. 12 plates. Bern, 1780-81.

VON KNONAU, G. M.—Die Schweizerischen Münzen von den ältesten Zeiten bis auf die Gegenwart. Zweite vermehrte Auflage. 8vo. Zürich, 1851.

WALPOLE, H.—Letters of Horace Walpole, Earl of Orford. 10 vols. 8vo. Portraits. London, 1840-43.

WARBURTON, E.—Memoirs of Horace Walpole and his Contemporaries. Edited by Eliot Warburton, Esq. 2 vols. 8vo. 2 portraits. London, 1851.

WATTS, A. A.—Lyrics of the Heart, with other Poems. With 41 engravings on steel. 8vo. London, 1851.

WEBER, J. C.—Abbildungen der wildwachsenden Pflanzen der Umgebung von München. 6 vols. 24mo. 216 coloured plates. München, 1846.

— Die Alpen-Pflanzen Deutschlands und der Schweiz in colorirten Abbildungen nach der Natur und in natürlicher Grösse. 2 vols. 24mo. München, 1846.

WEIR, H.—The Poultry Book. With coloured representations of prize Birds, drawn from life by Mr. Harrison Weir, and printed in colours under his superintendence. Imperial 8vo. London, 1853.

WEY, F.—La Haute Savoie récits de Voyage et d'Histoire. Édition illustrée par H. Terry. Folio. 50 plates. Paris, 1866.

WISE, J. R.—The New Forest; its History and its Scenery. With 63 illustrations, drawn by Walter Crane; engraved by W. J. Linton. Small 4to. London, 1863.

WORDSWORTH, W.—Our English Lakes, Mountains, and Waterfalls, as seen by William Wordsworth. Photographically illustrated. Post 4to. London, 1864.

WRIGHT, T.—England under the House of Hanover. Illustrated from the Caricatures and Satires of the day. With numerous illustrations, executed by F. W. Fairholt, F.S.A. Third edition. 2 vols. 8vo. London, 1849.

ZÜRICH, STADTBIBLIOTHEK.—Neujahrsblatt, herausgegeben von der Stadtbibliothek in Zürich 1860, 1862, 1863, 1864. 4to. Zürich, 1860-64.

(Signed) R. LASKEY.

R. H. SODEN SMITH,
Librarian and Museum Keeper of National Art Library.

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8. REPORT of the SUPERINTENDENT of the NAVAL MUSEUM, SOUTH KENSINGTON.

REPORT BY MR. MERRIFIELD.

I HAVE the honour to report that the number of models in the Naval Museum was increased by 96 during the year 1869.

Contributions to Museum,

In the Admiralty collection 70 models were added and 6 withdrawn.

In the general collection 26 were added and 2 withdrawn.

The following is a list of the models which have been received from the Admiralty since the last report:—

from Admiralty.

Blake's fire-hearth and cooking apparatus; armour-plated ship for coast defence; plan of deck for obtaining an all round fire; shallow draught gun-boat; four plans for raising and feathering screw propellers; two plans for building ships; two plans for sheathing ships; bow of H.M.S. "Queen;" stern of H.M.S. "Queen;" 42 ft. launch, old pattern; 42 ft. launch, new pattern; 32 ft. pinnace; steam yacht; life raft; Stone's metal screw bolts; Captain T. E. Symonds's patent recessed port; recessed port as arranged in H.M.S. "Hercules;"

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recessed port of H.M.S. "Sultan;" Martin's patent self-canting anchor; three plans for twin-balance rudders; auxiliary rudder; Griffith's four-bladed screw propeller; Oldham's feathering screw propeller; Trew's screw propeller; blade and boss of Lowe's screw propeller; new mode of propulsion for ships; set of top-gallant masts; plan for iron masts; Patisson's mast cap; plan for coppering iron ships; plan for sheathing iron ships with zinc; barnacles from bottom of H.M. Troop Ship "Jumna;" decayed wood from H.M.S. "Vigilant;" decayed wood from H.M.S. "Onyx;" pattern drift punch; plan for rivetting iron; a piece of McLintock's india-rubber packing; defective plug from H.M. Troop Ship "Jumna;" five pieces of Holt's tubular boiler; Bourdon's steam gauge.

Boats.

1 barge 45 ft. long, built about the year 1702; 1 barge 48 ft. long, built about the year 1708; 1 shallop 37 ft. long, used for conveying the body of Lord Nelson from Greenwich Hospital to St. Paul's, 1806.

The following is a list of other models given and lent by private contributors:—

Contributions from private sources.

T. Inman, Esq., Liverpool, Royal Mail screw steamer "City of Paris," presented; Sir W. Trevelyan, Bart., cap worn by sailors on board the "Infernal," bomb ketch, at the siege of Algiers; C. W. Merrifield, Esq., balance rudder and arrangement of stern for twin screw iron steam ships; also six photographs of iron-clads, troop ship, steamers, &c., built by R. Napier & Sons, Glasgow; T. F. Dodd, Esq., Cingalese out-rigger canoe; Corporation of the Trinity House, paddle steam yacht "Galatea;" W. H. Maitland, Esq., three telescopes belonging to Admiral Lord Nelson; T. Turnbull, Esq., a Whitby 5-man boat and a coble of the Yorkshire coast; Messrs. Laird, Brothers, Birkenhead, mail steamer "Connaught;" J. Campbell, Esq., clipper ship "Fiery Cross" and two half models of ships; J. Dafforne, Esq., H.M.S. "Chester," built about 1700; Messrs. Benham and Sons, ship's fire-hearths and cooking apparatus as fitted to ships of H.M.'s service, and the Royal Mail, and Peninsular and Oriental Companies; H.R.H. the Duke of Edinburgh, K.G.R.N., "Lady Daly" life boat from Adelaide, South Australia.

Catalogue and Index.

Since my last report, an appendix to the catalogue of the Museum with a general index, both to the original catalogue, and to the appendix, has been published.

Devonport local exhibition.

A local exhibition was held at Devonport during the summer of 1869, and at the instance of the local authorities the Admiralty authorised the loan of a certain number of models, comprising some very valuable old ones of the 17th and 18th centuries. They have since been returned, with the exception of two which are stated to be under repair. I regret to state that they have been received from Devonport in very dirty condition, and many of them badly damaged.

Preservation of models.

The method, mentioned in my last report, of preserving the iron-work of certain models from rust by means of fused chloride of calcium, has been persevered in with the best results. Wherever it is used it prevents rust on the metal and mildew in the wood or glue; but we use it sparingly and cautiously for wooden models, for fear of too great shrinkage.

Damage by worm.

In some of the older models the "worm," as it is called, has proved troublesome. This is really a coleopterous insect of which the larvæ and the perfect beetle appear both to be destructive. There is no difficulty in destroying either when they can be reached, but their burrowing habits render it difficult to get at them without damaging the models. Dipping the model in oil or turpentine has generally been found effectual for a time, but it is doubtful whether even this is sufficient to destroy the eggs, and there are some cases in which this remedy cannot

be applied. In one such case I have tried vapour of turpentine, simply pouring turpentine on a hot brick under a glass case. For the moment this appears to have been effectual, but it remains to be seen whether the effect will be permanent. It is doubtful whether any vapour can be depended upon with certainty for penetrating the deep and winding channels made by those insects, half blocked as they are by débris of various origin, so as to destroy the eggs as well as the insects and larvæ. Still it is certain that the turpentine vapour checks the mischief, and as it does not injure the models, it is possible that an occasional repetition of this process of fumigation, at judiciously chosen intervals, may prove effectual.

Buildings.

The thin walls and roofs of the present temporary buildings expose the models to great thermal and hygrometric changes; this is the principal obstacle to the preservation of the wooden models. Dead organic matter, such as wood and glue, will only keep free from decay in an atmosphere too dry to deposit water on its surface or to admit of moisture being absorbed.

Reproduction of models.

An attempt has been made to reproduce some of the half block models of ships by casting in plaster and by moulding in *papier mâché*. Both these have been unsuccessful. The reproductions (although made with great care) are very coarse, and the damage done to the surface of the model from which the cast is taken, as well as the imperfect character and intractable material of the cast itself, mar the result, and prevent the attainment of any real economy.

Desiderata.

Models of the newer types of ships, especially of the new iron-clads of the Royal Navy, are a great desideratum. Visitors to the Museum constantly make special enquiry for these, and it is to be hoped that it will be found possible at no distant date to supply this very important deficiency.

CHARLES W. MERRIFIELD,
Superintendent.

South Kensington,
January 1870.

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9. REPORT of the DIVISION KEEPER of the EDUCATIONAL COLLECTIONS for the Year 1869.

REPORT BY MR. KING.

In reporting on the progress of the Educational Division of the Museum during the year 1869, it will be convenient to consider the Division as consisting of two parts: 1. The Library and Reading room; 2. The collection of apparatus, &c. used in teaching, and miscellaneous objects.

Additions to Library.

The most important additions which I have to record have been made to the first of these,—the Library. The contributions of books on loan for exhibition by various publishers have been unusually numerous, and many new books of great value and interest have thus been placed at the service of the readers. At the beginning of the year the expedient was adopted of displaying, in open desks in the reading room, the more recent contributions of each publisher; a separate space with a distinctive label being assigned to each firm. This, while satisfactory to the publishers, is also convenient to that large and increasing class of visitors, who wish to become acquainted with the newest and best books in the various subjects of instruction. After being thus exhibited for a few months, the books are relegated to the book-cases appropriated to their various subjects, and their places are generally supplied by fresh contributions.

Exhibition of books sent by publishers.

Appendix D.

REPORT BY MR. KING.

List of publishers who have sent books for exhibition.

The following is a list of the publishers who have contributed to the Educational Library during the year 1869, with the number of works sent by each firm :—

Allen and Co.	12
Bell and Daldy	47
Blackwood and Sons	9
Cassell, Petter, and Galpin	18
Chambers, W. and R.	1
Chapman and Hall	52
Chappell and Co.	2
Churchill and Sons	21
Collins, Sons, and Co.	35
Dürr, Alphons, Leipzig	13
Hachette and Co.	96
Hardwicke, R.	15
Laurie, T.	5
Longmans and Co.	133
Low, Son, and Marston	49
Macmillan and Co.	122
Murby, T.	72
Murray, J.	33
National Society	91
Oliver and Boyd	3
Philip and Son	37
Reynolds, J.	8
Rivingtons	36
Simpkin, Marshall, and Co.	24
Smith, Elder, and Co.	58
Vilmorin-Andrieux and Co., Paris	3
Ward, Marcus, and Co.	4
Williams and Norgate	3
	1,002

Donations to Library.

In addition to specimen copies of 60 new educational text-books, &c., which have been received from 29 authors and compilers, the following donations have been made to the library :—

British Museum, Trustees of.—Three volumes of catalogues, &c.

Christy Collection, Trustees of.—Three catalogues.

Festing, A.M., Esq.—Financial tables. One volume.

Meteorological Committee of Royal Society.—New editions of publications.

Norway, Royal University of, Christiania.—Three volumes of publications.

Raaz, Herr C., Berlin.—One atlas and three maps from raised models.

Ramsay, Sir G., Bart. (through the Society of Arts).—Five volumes of his philosophical works.

Smithsonian Institute, United States.—Four volumes of transactions.

Trevelyan, Sir Walter C., Bart.—Two volumes (old books).

United States Patent Office.—Three volumes of annual report.

United States War Department, Washington.—Three volumes of medical reports.

Presentations through Foreign Office.

A large addition has accrued to the library by the presentation, through the Foreign Office, of various reports, text-books, and other official publications relating to education, forwarded by certain foreign governments, in accordance with a suggestion addressed to the Foreign

Office by direction of the Lord President of the Council on February 22nd 1869. The particulars of this negotiation are given in the Report of the Assistant Director for Administration (page 346). The following list gives a summary of the publications thus contributed and received in the Educational Library to the end of the year 1869:— Appendix D. Report by Mr. King.

Argentine Republic.—Epitome of Report on Education.
Austria.—Catalogue of books used in schools of the empire. Two official educational publications sent regularly.
Baden.—Thirty-two papers containing official regulations on educational matters.
Bavaria.—Five papers.
Belgium.—Report on Education, and catalogue of books used in Government schools.
Brazil.—Five official papers, and a MS. account of public education in the empire.
Italy.—Thirty-four volumes and pamphlets, published by the Government, relating to educational and other subjects.
Netherlands.—Official Report on Education.
Papal States.—Papal decree on Education, and list of books approved for schools.
Portugal.—One hundred and one books and pamphlets relating to education in military and other schools.
Prussia.—Four volumes of official returns on Education.
Russia.—Seventy-six volumes and pamphlets relating to the various educational institutions of the empire.
Saxony.—Fourteen volumes and pamphlets relating to education.
Sweden and Norway.—Twenty-six volumes of text-books, 40 pamphlets on education, several models, &c. used in Government schools.
Switzerland.—Sixteen pamphlets relating to educational institutions in the various cantons.
Turkey.—Thirty text-books printed in Turkish characters for use in public schools.
United States.—Thirty-six volumes of reports on education in the various States of the Union.
Wurtemberg.—Thirty-eight pamphlets, chiefly numbers of official journals containing educational decrees.

Besides these, certain educational publications have been received from the following Colonial Governments, through the Colonial Office:— Presentations through Colonial Office.

Bahamas.—Report on Education.
Canada, Province of Ontario.—Forty-eight volumes and pamphlets relating to education in the province.
Ceylon.—MS. account of educational system.
Jamaica.—Three volumes of reports.
Nova Scotia.—Fifteen text-books, and reports on education.
Victoria.—Thirty-one text-books, and reports on education.
Western Australia.—Report on education.

The purchases of books have not been numerous. They chiefly consist of periodical publications, English and foreign, relating to education and science, together with some standard works of reference not included among the contributions of publishers. Purchases.

The total number of books and pamphlets added to the Library during 1869 by donations, by loans, and by purchase is 2,058, while 233 have been withdrawn by exhibitors. The actual gain is thus 1,825 books, which, added to the number reported last year (25,840), gives a total of 27,665 books and pamphlets now in the educational library. It will be well to repeat my remark of last year, that many of these are Number of books in Library.

Appendix D. Report by Mr. King.

merely small school books, reports, pamphlets, &c., often consisting of but eight or twelve leaves. Hence, while the books in the educational library are nearly as numerous as those in the Art library, the space occupied by the former collection is less than one-fourth of that required by the latter.

Number of readers.

The number of readers has continued to increase. In the report for the year 1868 I was able to record an excess of 2,094 over the highest number then yet attained. I have now to report an excess of 2,604 over the number for 1868, the total having been 11,097 in 1869 as against 8,493 in 1868, thus bringing up the number of persons, who have consulted the books, &c. since the opening of the Museum on June 22nd 1857, to 61,933.

Analysis of readers.

The readers during 1869 may be thus analysed:—

Clergymen and teachers of schools for the poor, including pupil-teachers	2,368
Students in the Art and Naval Schools attached to the museum	2,314
Persons reading for examination, and miscellaneous visitors	6,415
	11,097

The reading room was open on 311 days, the daily average was, therefore, nearly 35·7 readers as against 27·3 in 1868. The increased attendance was chiefly on students' days.

Additions to collections of apparatus, &c.

To the other section of the Educational Museum, the collection of apparatus, &c. used in teaching, and miscellaneous objects, I have few additions to announce. The space allotted to this collection has been somewhat curtailed in the re-arrangement called for by the exhibition of the Dyce Bequest, and to compensate for this a few of the older and more cumbrous objects have been for the present withdrawn from exhibition.

The examples of school desks and other fittings have been almost entirely renewed by their manufacturers, who show themselves fully alive to the advantages they derive from being represented here. The collections of scientific apparatus have also been to a great extent examined and put in order by the exhibitors, and in several instances new instruments substituted. Thus the Meteorological Committee of the Royal Society has entirely renewed the examples of meteorological apparatus originally exhibited here by a Committee of the Board of Trade, whose functions it now discharges.

Gifts of specimens of pre-historic implements.

Early in the year 1869 Mr. Thomas Fox, of Bridlington, presented a quantity of flint implements found in Yorkshire; and subsequently the Rev. Sanderson Tennant offered a collection of ancient Peruvian relics brought home by his son, a lieutenant in the Royal Navy. A considerable portion of each gift appeared more especially suited to the Christy Collection of pre-historic antiquities, in connexion with the British Museum, and in each case the donor most readily acquiesced in the suggestion that all but a few examples should be transferred to that Museum. In return, the trustees of the Christy Collection have, through Mr. A. W. Franks, added to the specimens retained for the educational collection a series of original examples and casts of Scandinavian and French flint and bone implements, and Mr. Franks has also rendered valuable aid and advice in their labelling and arrangement. A small collection of flint implements and other pre-historic remains has thus been started. It is not proposed to form an extensive collec-

tion of these implements, such would be beyond the scope of the Educational Museum; but it has been thought well to take this opportunity of including some few typical specimens, sufficient to show the nature of these remains, to which attention has of late years been so generally directed. Appendix D. Report by Mr. King.

The other gifts are as follows:— Other gifts.

Beggs, Thos., Esq.—Portrait of Dr. Samuel Johnson, after Sir J. Reynolds. Oil painting on canvas, framed.

Feuardent, M. Gaston.—Seven specimens of microscopic engraving on steel.

Stewart, W. J., Esq.—Nine botanical specimens, chiefly prepared by the late Professor Henslow.

Wells, Robt., Esq.—Book of 63 drawings of Cingalese costume.
Box of instruments for preparation of the betel nut.
Cingalese MS. on Talipot leaf.

Woolsey, E. J., Esq.—Specimens of American autumnal foliage.

Among the purchases are— Purchases.

Large raised map or model of Jerusalem and the surrounding country, prepared by the Topographical Department of the Board of Ordnance. With this are exhibited twelve photographic views of the chief localities.

Four frames of diagrams illustrative of British geology, with actual specimens of the various rocks, fossils, &c. Prepared for the Department by Mr. J. R. Gregory.

Three small maps drawn by Baron Alexander von Humboldt when 14 years of age.

The only loan calling for notice is that by Mr. T. Pearson of a collection of 116 juvenile books, many of them illustrated by T. and J. Bewick, and accompanied by two of the original wood blocks. These, with the rare and interesting collection of children's books mentioned in my last report, as lent by Mr. Ernest Coleridge, and a selection of quaint old school books from the library, are displayed open, under glass, and attract much attention. Loan of old books.

ALFRED CHAS. KING,
February 9, 1870. Division Keeper.

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10. Report of the Division Keeper of the Animal Products Collection for the Year 1869.

Report by Mr. W. Matchwick.

The collection of examples illustrative of the Commercial Products of the Animal Kingdom, raw and manufactured, originally formed by Her Majesty's Commissioners for the Exhibition of 1851, and subsequently presented to the nation, has been, as heretofore, exhibited during the last year in the Exhibition Galleries overlooking the Horticultural Gardens, under the usual regulations of the General Museum; but there being no provision for lighting those galleries, the collection has been on view in the day-time only.

It is generally in good condition. Many of the specimens are liable to the destructive attacks of moth and other insects; but any material damage from that cause is prevented by systematic and frequent examination of the cases and frames, and the timely application of bi-sulphuret of carbon, carbolic acid, camphor, &c. Condition of collection.

With the exception of two or three objects of an unimportant nature, no additions have been made to the collection since my last report. Indeed it is scarcely possible to receive any, even the smallest addition, the space and rooms allotted, as stated in previous annual reports, being very insufficient, as well as inconvenient, to accommodate the collection Want of space.

Appendix D.

REPORT BY MR. W. MATCHWICK.

Arrangement.

as it exists. As an illustration of this inconvenience I may mention, that in order to give some required accommodation to the officers of the Collection of National Portraits, now removed from Great George Street, Westminster, the greater part of the examples belonging to the section devoted to silk has been recently shifted from the apartment it occupied, and placed in the already overcrowded space occupied by the sections of wool, hair, whalebone, &c.

Cocoons and raw silk.

Cocoons and Raw Silk.—The collection contains an extensive and valuable series of cocoons and raw silk from various parts of the world; and many of the examples may be considered as duplicates. An application having been made by Mr. J. Q. A. Warren for any duplicate cocoons and raw silk that might be spared for distribution among the public institutions of the United States of America, my Lords complied with the request, and sanctioned a small collection being made for the purpose named. A set of cocoons and some samples of raw silk were accordingly selected and sent to Mr. Warren.

Labels.

The number of labels prepared for the collection during the year was 759, of which 182 were printed labels and 577 written.

I have nothing further to report concerning the Collection of Animal Products.

W. MATCHWICK,
Division Keeper.

REPORT BY MR. POLLEN.

11. REPORT of the DIVISION KEEPER of the FOOD COLLECTION for the Year 1869.

Continued insufficiency of space allotted to this Collection.

THE collection which constitutes the Food Museum of the Department is still exhibited in the western corridor under the official residences. The space originally allotted for its accommodation in the corridor named was quite insufficient for the purpose, so that the entire collection could not be exhibited to the public; and it is to be regretted that subsequent reasons, which are stated in my two last annual reports, have necessitated the further temporary withdrawal of many of the cases containing illustrative substances. The great and continual demand on the space of the General Museum has rendered it impracticable to give any more room to the Food Collection during the past year; still, although thus cramped for room and partially withdrawn, care has been exercised to preserve as much as possible the original classification of the collection, and, in the temporary removals that have been unavoidable, to select for that purpose such examples as would not very materially reduce its educational value.

The want of room renders it impossible to receive additions to the Food Collection, except just such examples as may be placed in the glazed cases without further requirement of space.

Additions to Collection.

Some few objects have, however, been received during the year. They are as follows:—

A sample of wild coffee from Africa; presented by J. P. Monteiro, Esq.

Butter and cheese made from the milk of the reindeer; presented by R. A. Valpy, Esq.

Various concentrated preparations of food; presented by Messrs. Coleman and Co.

Examples of a frugivorous bat, dried and trussed, and of a rare crustacean (*Callianassa Turnerana*), illustrative of the food products of the native markets of Old Calabar, West Africa; presented by A. Murray, Esq., F.L.S.

Edible seeds, from Africa; presented by W. Melton, Esq.

Appendix D.

REPORT BY MR. W. MATCHWICK.

Gourd-shaped cheese, made by the South American Indians. This was purchased.

Economic Entomology.—In July 1868 a letter was received from the Royal Horticultural Society requesting co-operation on the part of the Department in making a collection of insects which are known to be destructive and noxious to food products, and injurious to farming and gardening operations, &c. &c. My Lords accordingly sanctioned, by Minute of 23rd July 1868, the formation of such a collection; and Mr. Andrew Murray, F.L.S., has since undertaken to superintend the arrangement of it. Some progress has been made in this matter since the date of the Board Minute referred to, and the following is a brief summary of the illustrations of Economic Entomology which have been received and exhibited in the Food Museum during the past year:— Economic Entomology.

A series of insects that may be considered as "gardeners' friends" and "gardeners' foes."

Insects known to be injurious to the apple, pear, and other fruit trees, &c.

Insects known to be destructive to currants, brambles, &c.

Varieties of wasps and hornets, with illustrations of their economy. (Contributed by Miss Eleanor Ormerod, of Chepstow.)

Insects injurious to cabbages, grass, and pasture plants.

Insects injurious to wheat, barley, and oats—to the living plant and to the ripened grain.

Series of actual specimens illustrative of the economy of the honey bee; chiefly contributed by Miss Eleanor Ormerod.

In addition to the above, Mr. Murray has prepared and sent in 33 coloured drawings, or diagrams, being enlarged or magnified representations of the insects shown in the series. These illustrations of Economic Entomology are at present exhibited in some of the horizontal glazed cases belonging to the Food Collection; but arrangements are in progress for shifting them into frames, and showing them vertically or upright, by which a great saving of space will be effected.

Russian Food Products.—Occasional opportunities sometimes present themselves of exhibiting in the Food Museum examples of the edible products of foreign countries, or "National Foods." Such are the collections from China, Japan, Siam, and East India, shown in the Museum. In the month of June 1869 a horticultural congress was held in St. Petersburg. Mr. Andrew Murray, who was proceeding there to attend the congress, was authorized to report on the Food Products of Russia, and to collect some samples for the Food Museum. No samples, however, were obtained. Mr. Murray's report will be found in Appendix L, p. 515. Russian Food Products.

Circulating Food Collection.—This series, representing the Food Museum, has been returned from the School of Art at Wakefield, where it was on loan for about 12 months. No other application has since been received for the loan of the collection. Circulating Collection.

An *Alphabetical Inventory of the Food Museum* has been completed, and issued to the public during the year. It contains many scientific corrections and additions by Professor Huxley and Dr. Frankland. The price is sixpence, and the sale averages 60 copies a month. Copies were presented to the donors and exhibitors of objects in the collection. Inventory.

With the exception of some few fruits and confections, which perished and became unfit for exhibition, there have been no other withdrawals during the year from such a cause.

The *Economic Fish Museum*, under the sole management of Mr. Frank Buckland, Inspector of Salmon Fisheries, is still exhibited in the entrance hall of the Royal Horticultural Gardens in the Exhibition Road. The collection is mainly the private property of Mr. Buckland, the Economic Fish Museum.

Appendix D.

REPORT BY MR. W. MATCHWICK.

Department assisting him with the loan of cases, fish-hatching apparatus, &c., and printing the labels attached to the specimens. It is open daily to the public under the same regulations as those which govern the General Museum; but it is closed after sun-set, there being no provision for artificially lighting the entrance hall.

Labels.

Labels.—During the past year 2,882 labels have been prepared for the Food Museum, 2,451 of which were printed, and 431 written. Such labels as are unavoidably placed otherwise than inside the cases, soon become faded, and have to be renewed; a great proportion of those enumerated having become indistinct from exposure. Every object or series of objects is invariably labelled as soon as exhibited.

W. MATCHWICK.
Division Keeper.

REPORT BY MR. H. SANDHAM.

12. REPORT of the DIVISION KEEPER of the MUSEUM of CONSTRUCTION, for the Year 1869.

THE collections in the Museum illustrating building materials and construction have been maintained in thorough efficiency during the past year.

Additions:

The additions to the division comprise—

183 Purchases.
16 Gifts.
310 Objects exhibited by manufacturers.

by purchase;

The purchases consist of a set of hand working tools for various trades of Austrian design and manufacture, in completion of the series purchased of the maker, M. F. Wertheim, of Vienna, at the Paris Universal Exhibition of 1867.

Ten glazed ware Dutch wall tiles.
Two brass locks, copies of ancient originals found at Pompeii.
Fifteen pieces modern Venetian window-glass.

by gift.

The gifts include samples of old Dutch wall tiles, and a valuable model presented by the Hon. H. Stanhope, M.P., of the interior of the late Italian Opera House in the Haymarket, known as Her Majesty's Theatre, which was destroyed by fire in 1867.

Thirty-six objects were removed from the collection during the year. They have been mostly replaced by newer and better designs, fresh and superior articles.

Labelling.

Four hundred and four descriptive labels were printed or written for objects exhibited, and attached to them by the keeper and attendants. The labelling throughout the division has been carefully maintained during the year.

Catalogues.

Twenty-eight catalogues only of the collection of building materials were sold to the public, as the price of it has been fixed at 1*s.* 6*d.* per volume. The edition last published is sold out, and a new one, revised to December 1869, will be shortly compiled and again put on sale in the Museum.

During the year no casualties worthy of note have occurred.

Experiments in colouring cements and wood-staining.

As opportunity offered, experiments in colouring cements and staining various woods, &c. for decorative purposes in buildings have been carried on. These have resulted in a satisfactory manner, and the workman, R. Hopkins, is now able to copy any design almost, both for colours and patterns, in cements coloured in body. Printing in colours on white cement has also been accomplished. In this method of surface decoration, however, difficulty is experienced in the after processes of polishing and enamelling the cement so as to fix the colours perma-

nently, in preventing the several colours of the design running one into the other. This, it is hoped, will be overcome. Most of the experimental results in this matter are exhibited in the Museum. Appendix D. REPORT BY MR. H. SANDHAM.

In wood staining, ornamental designs for floor borders in imitation of oak, wainscoat and furniture work in walnut and other woods, have been successfully accomplished.

H. SANDHAM,
January 1870. Division Keeper.

13. REPORT of the DIVISION KEEPER of the COLLECTION of MODERN WAR MATERIALS for the Year 1869.

SINCE my last report, for the year 1868, the illustrations of modern munitions of war have continued an attractive feature in the Museum collections, especially when viewed and studied in connexion with the very valuable and interesting exhibition of ancient arms and armour lent by Col. Meyrick, and displayed in the galleries adjoining.

During the year past the following have been the additions to the collection :— Additions by purchase.

One 9-inch R.M.L. common shell, of the pattern adopted February 1869.

One 9-inch R.M.L. Palliser chilled shell, of the pattern adopted August 1868.

These were purchased from the War Department, and are fitted with their proper service plugs, time and percussion fuzes. They are adapted to 9-inch muzzle-loading rifled ordnance.

Sir Joseph Whitworth, Bart., also contributed to the Museum the following valuable objects, illustrating his system of rifled ordnance and projectiles, together with a series of sporting and military muzzle-loading rifles :— Presented by Sir J. Whitworth.

10 specimens of spherical rifled shot for heavy ordnance.

15 specimens of elongated rifled shell, case shot, &c., for the same.

5 Whitworth muzzle-loading rifles.

1 micrometer complete. An instrument designed and perfected by Sir J. Whitworth for testing the grooving of rifled ordnance after firing, &c.

1 rifle rest and tripod stand complete, for testing the accuracy of rifle fire.

A very desirable addition to this collection of munitions of war would be illustrations of the several rifles both for military and sporting purposes, made by eminent and well-known private firms. These could be doubtless procured on loan for exhibition without difficulty, but glass cases would have to be provided by the Department for the proper display and protection of such valuable and costly articles. Desirable additions.

Illustrations of the following, together with a series of "small-bore" arms, are greatly inquired for by the public :—

Martini-Henry rifle.
New pattern Snider rifle.
Mont Storm and Colt's rifles.
Henry's rifle.
Westley Richard's rifle.
Carter Edwards rifle.
And other rifles, and breech-loaders.

The labelling and general arrangement and display of the objects at present exhibited has been thoroughly and efficiently maintained, and the popularity of the collection appears in no way to have diminished.

H. SANDHAM,
January 1870. Division Keeper.

Appendix D.

REPORT BY MR. H. SANDHAM.

14. REPORT of the DIVISION KEEPER of the COLLECTION of MACHINERY and MODELS for the Year 1869.

DURING the past year some progress has been made in the development of this portion of the Museum Collections.

With regard to the main object of exhibiting machinery and working machine models, for the purposes of technical instruction and illustration, many details have yet to be carried out. Satisfactory research, inquiry, and study, however, upon the existing nucleus of a permanent machinery exhibition, has been evident throughout the year.

Letters of request for contributions on loan for exhibition, of models, drawings, or photographs of machines and machinery, were sent out to a few of the metropolitan and provincial machinists, best known to possess desirable models of their several branches of machine industry.

Additions by loan and gift.

To the following contributors the Museum is indebted for a liberal response to the application of the Department, and the loan for exhibition of a valuable series of working models, &c. :—

Five working models of power and other looms for weaving fabrics, sacking, fishing nets, &c. Contributed by the Society of Arts.

A working model of one of Stephenson's long boiler outside cylinder locomotive engines and tender. Lent by Mr. James Hedley, Engineer, Maidstone.

A working model, on an $\frac{1}{8}$th scale, of the paddle engines (on the oscillating cylinder system) of the Royal Mail Steamer "Connaught." Lent by Messrs. Ravenhill, Salkeld, and Co., Engineers, London.

A working model, on $1\frac{1}{4}$ inch to 1 foot scale, of the screw engines fitted by contributors to H.M.S. "St. George." Lent by Messrs. Ravenhill, Salkeld, and Co., Engineers, London.

A working model of the screw engines of H.M.S. "Mersey," fitted by contributors. Lent by Messrs. Maudslay, Sons, and Field, Engineers, London.

A working model of a three cylinder paddle engine, on the oscillating system. Designed and lent by J. Scott Russell, Esq., F.R.S.

A set of photographs and lithographs of various types of steam hammers, and other machines. Presented by Messrs. Thwaites and Carbutt, Bradford.

A model, on $1\frac{1}{2}$ inch to 1 foot scale, of the screw engines fitted to H.M.S "Monarch." Lent by Messrs. Humphreys, Tennant, and Co., Engineers, London.

A working model, on 1 inch to 1 foot scale, of the screw engines fitted to H.M.S. "Prince Albert." Lent by Messrs. Humphreys, Tennant, and Co., Engineers, London.

Model of the paddle engines of the steamship "Helen Macgregor." Designed in 1843. Lent by Messrs. G. Forrester and Co., Engineers, Liverpool.

Model of Hawthorn's patent multiflue steam boiler, showing the arrangement of fire grates, flues, water tubes, smoke box, &c. Lent by Messrs. R. and W. Hawthorn, Engineers, Newcastle.

A working model of a patent steam pile-driving machine. Lent by Messrs. Sissons and White, Pile-driver Works, Hull.

Model of the main driving shafting, erected by the French Imperial Commission to drive the machinery in motion exhibited at the Paris Universal Exhibition of 1855. Presented by Messrs. Nepven and Co., Engineers, Paris. 1855.

Working model of the screw engines of the steamer "A. Lopez." Lent by Messrs. Denny, Brothers, Dumbarton.

Descriptive labels have been carefully prepared and attached to the various models and contributions. Appendix D.

REPORT BY MR. H. SANDHAM.

The want of the necessary fittings and appliances to supply the models and machines with motive power, either directly or indirectly, so as to exhibit the several movements and connexions of their working parts actually in motion, is a great drawback to the uses of the Collection. Want of motive power.

Contributors are mostly anxious that their several loans should be shown in actual movement. At present this very desirable attainment cannot be readily accomplished on account of expense, and the several models and contributions now in the Museum are exhibited at rest.

It is quite possible to procure from most of the large machine-making firms such a collection of small working machines, and working models, as would render this portion of the South Kensington Museum one of the most attractive, as well as most instructive collections in the United Kingdom.

There is no real reason why the collection of machinery and models should not prove as valuable and complete a source of technical instruction and study to the student of mechanical science as that of the celebrated "Conservatoire des Arts et Métiers," of Paris, upon the model and foundation of which valuable public institution it would be most desirable to continue and develop the collection of machinery and models. Further development of Collection.

H. SANDHAM,
Division Keeper.

January 1870.

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15. REPORT of the REFEREE for CATALOGUES, for the year 1869. REPORT BY MR. POLLEN.

THERE have been several new Catalogues added to those already in circulation.

1. The most conspicuous of these is the Catalogue of the Textile Fabrics in the Kensington Museum. Catalogue of Textile Fabrics.

This book has been reported already as far as the literary matter is concerned. The illustrations have now been added. They are well executed in chromo-lithography by Messrs. Vincent Brooks, from drawings made for the purpose by artists connected with the Department.

2. A handbook or short guide for the student of the works of engravers of ornament has been prepared by Mr. Julian Marshall and issued for general use. Without aiming at a complete account of engravers, it gives a general sketch of the life and works of the more important masters. Handbook of Engravers of Ornament.

3. A descriptive Catalogue of the musical instruments belonging, or lent to the Department, has been prepared by Mr. Carl Engel, and will be issued shortly. It is illustrated with woodcuts prepared by Mr. Reid of the National Art Library. The learned writer has very carefully and completely illustrated the history of musical instruments, European and extra-European, and gives much curious and interesting information on his subject. Catalogue of Musical Instruments, by Mr. Carl Engel.

He gives at the end some account of the musical instruments in use in the middle ages.

In a future edition this part of the subject will, probably, receive still further illustration.

4. Mrs. Bury Palliser has written a Catalogue, with descriptive notices, of the collection of lace in the Museum. This awaits illustrations. Lace Catalogue.

5. A descriptive Catalogue of the precious stones of the collection bequeathed by the Rev. C. Hare Townshend, has been revised and will shortly be issued. Catalogue of Gems.

6. A new edition has been published of the Catalogue of naval models. Naval Models.

Appendix D.

REPORT BY MR. POLLEN.

I have corrected the letter-press accompanying the following publications of the Arundel Society:—

Arundel Society's Publications.

i. Twenty Photographs of well-known pieces of Henry II. ware.

ii. Twenty Photographs of salvers and sumptuous pieces of plate of various kinds in the Louvre, and other foreign collections, as well as in the South Kensington Museum.

iii. Twenty Photographs of musical instruments. This set will appropriately illustate the Catalogue by Mr. Engel, who has also written the descriptions to these photographs.

iv. Twenty Photographs of designs for Goldsmiths and Jewellers, by Hans Holbein. These drawings formed part of Sir Hans Sloane's bequest to the British Museum.

v. A series of 20 plates of Arcades in Rome, of the Renaissance period.

vi. A series of 16 plates of fountains and gardens in Rome. Both sets executed by order of Her Majesty's Commissioners for the Exhibition of 1851.

7. To these should be added a Catalogue of works illustrative of decorative art, produced for the use of the schools, etc., in which these publications are all given.

Universal Catalogue of Art Books.

8. The most serious work of the year has been the Universal Catalogue of Books on Art. I was directed to prepare sufficient material for 12 pages of the Notes and Queries weekly, instead of 4, and for issuing parts containing one or more letters each at the same time, through the Queen's Printers. The Catalogue has, in consequence, advanced as far as the end of O by these two methods. At the same time the letter V is in print, and the letter Z corrected and ready for press. The letters P—U, and W—Y are rapidly passing through the press, and will be ready for issue by the end of the financial year. Illustrated Bibles, Catalogues, Periodicals, and the publications of artistic and archæological Societies, I have had to defer from their proper places, owing to the impossibility of completing them till the entire alphabet was before me. They will follow Z.

Additions, corrections, and communications, continue to be received, showing the general interest felt in the work. Enough matter is now completed for the 1st vol., which will be issued shortly.

Universal Art Inventory.

9. The account of the Departmental Catalogues would be incomplete without a notice of the Universal Art Inventory, edited by the Director himself. Part I., containing Mosaics and Stained Glass, has appeared.

Dr. Ruland's Notes on the Cartoons, &c. of Raphael.

10. Dr. Ruland's interesting Notes on the Cartoons and Pictures of Raphael are out of print. A new edition will maintain the interest felt in this publication.

Catalogues in stock.

11. There are sufficient copies of the National Portrait Catalogues, 1868, 1867, and 1866; of the Catalogues of the Miniature Exhibition; Catalogues of Mrs. Hope's pictures; Catalogues of the Meyrick Collection; Food Collection; Inventories of Art Objects (in order of date), from 1852-67; and Sykes' Drawings.

12. The classified lists of Photographs, Parts I., II., III., and that of the Photographs of the National Portraits, are in sufficient numbers.

34 copies remain of the Analysis of the Art Inventory.
12 „ of lists of objects acquired in 1868.
175 Inventories of Reproductions—Part i., Electrotypes.
133 „ „ Part ii., Plates and Casts.
132 „ „ Part iii., Fictile Ivories.
167 Catalogues of Reproductions.
190 Introductions to the Naval Models.
92 Catalogues, with 169 Supplements, of the Educational Library.

8th February 1870. JOHN HUNGERFORD POLLEN.

16. Report on the Progress of the New Permanent Buildings, by Lieut.-Col. Scott, R.E., Director of New Buildings.

Appendix D.

Report by Lieut.-Col. Scott.

1. At the date of the last annual report, the walls of the Schools of Naval Architecture and Science had been erected to the level of the joists on second floor; since then, little progress has been made, owing to the want of funds, and the terra cotta is now fixed only to a height of 3 feet 6 inches above this level. The terra cotta for completing the building to the bed of the top cornice, and the majolica for the soffits of the arches to the centre recess of the ground floor towards the Exhibition Road, have been delivered, and also the greater part of the iron joists required for the completion of the building.

Schools of Naval Architecture and Science.

2. The offices and stores extension, including a board room, staircase, and lavatories are in occupation, but the decorations of the board room are not yet finished.

Offices, &c.

3. The decorations of the Western Staircase, by Mr. Moody, are still in progress, and the majolica work executed by Messrs. Minton is being fixed to the upper flights.

Western staircase.

4. The painting of the Keramic Gallery is now approaching completion. The frieze is being executed by the students of the art schools. The series of windows on the north side of the gallery are being designed and drawn on enamelled glass by Mr. W. B. Scott, and are intended to illustrate the history of the manufacture of pottery from the earliest times. Six out of the ten are already fixed. The windows on landings of staircases on each side the Lecture Theatre are by the same Artist.

Keramic Gallery.

5. The designs for the mosaics for the large arch and apse vault of the lecture theatre which are being prepared by Mr. Poynter, A.R.A., are far advanced towards completion.

Lecture Theatre.

6. The decorations of the centre refreshment room are not yet finished, though very considerable progress has been made during the past year. The western dining room, by Messrs. Morris, is finished, and the decorations of the east dining room, designed by Mr. Poynter, A.R.A., are well advanced. The dado of this room, with panels filled in with pottery painted by female students of the art schools, is finished, and these students are now engaged in painting the tiles for the large panels on the upper part of the walls. The painting on pottery for the decoration of the centre room, designed by Mr. Gamble, is also being executed by the female students. Messrs. Minton have the contract for the supply of the greater part of the pottery, but the picture frames in these rooms are supplied by Messrs. Gibbs and Canning, of Tamworth.

Refreshment Rooms.

7. Two new bays, including the central corridor and gallery are being added to the present south court, in order to complete it, and the iron-work of the roof of these bays is now being fixed. It is expected that the court will be ready for occupation during the present year.

South Court extension.

8. The new south-east court (south of the present so-called south court), the foundations of which were laid at the date of my last report, has made but little progress, having been delayed for want of funds. The walls are now, however, built to the average height of 24 feet above the ground floor, and the entire area is vaulted over, forming a complete basement for stores. This court is urgently required for the exhibitionof large objects.

New South-east Court.

9. The main building of the Bethnal Green Auxiliary Museum is roofed in, and the floors are being laid. Messrs. Minton, Hollins, and Co. have taken a contract for the execution of the mosaic panels for the decoration of the upper portion of the exterior of the side walls.

Auxiliary Museum, East London.

The designs for these mosaics are by Mr. Moody, and have been enlarged by the female students working under his direction. The contractors for their execution, Messrs. Minton, Hollins, & Co., are also to employ the students of the art schools.

(Signed) H. Y. D. Scott,
Lieut.-Colonel, R.E.

Appendix D.

STATEMENT OF VISITORS.

SOUTH KENSINGTON MUSEUM.

17. COMPARATIVE YEARLY STATEMENT of ATTENDANCE of VISITORS from the opening of the MUSEUM, 1857 to 1869 inclusive.

ATTENDANCE OF THE PUBLIC DURING HOLIDAYS.

YEAR.	Easter.		Whitsuntide.		Christmas.	
	Easter Monday.	Easter Week.	Whit-Monday.	Whitsun-Week.	Boxing Day.	Christmas Week.
1857	- -	- -	- -	- -	5,918	21,649
1858	6,151	15,218	4,427	15,409	9,683	24,322
1859	5,000	20,020	5,268	14,512	8,651	26,847
1860	9,648	28,108	8,587	19,823	5,957	14,830
1861	7,100	24,919	8,011	19,599	9,694	27,165
1862	16,332	39,048	14,070	36,798	5,962	20,521
1863	11,786	20,076	6,552	15,404	8,382	23,622
1864	8,559	27,518	6,285	16,005	12,898	35,984
1865	7,322	29,778	13,108	30,487	12,637	27,754
1866	11,710	30,000	9,571	34,723	9,816	24,108
1867	10,422	26,594	7,371	22,577	5,976	21,790
1868	12,494	35,241	7,504	27,591	20,629	48,037
1869	20,405	54,354	17,856	40,868	21,615	51,259

ATTENDANCE OF THE PUBLIC.

YEAR.	Total for the Year.	Average Monthly Attendance.		Total Monthly Average.
		Free Days, Morning & Eveng.	Students' Days.	
1857 - - (From 22nd June.)	268,291	39,906	4,809	44,715
1858 - -	456,288	33,587	3,999	38,024
1859 - -	475,365	35,014	3,957	39,614
1860 - -	610,696	43,427	7,085	50,891
1861 - -	604,550	43,182	6,544	50,379
1862 - -	1,241,369	89,066	13,286	103,447
1863 - -	726,915	50,166	9,577	60,576
1864 - -	653,069	47,369	6,579	54,422
1865 - -	692,954	50,361	7,067	57,746
1866 - -	756,075	53,111	9,895	63,006
1867 - -	646,516	43,393	10,483	53,876
1868 - -	881,076	63,881	9,542	73,423
1869 - -	1,043,654	77,817	9,154	86,971
Total from June 1857	9,056,818	Yearly average for 11 years, omitting 1857 and 1862, 686,105.		

P. C. OWEN,
Museum Superintendent for Administration.

South Kensington Museum.

18. Comparative Statement of Receipts Repayable to Exchequer.

—	1857.	1858.	1859.	1860.	1861.	1862.	1863.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Admission fees - -	431 5 4	864 3 0	853 5 0	1,599 9 6	1,428 1 6	3,334 16 6*	2,030 3 6†
Periodical tickets - -	13 17 0	51 1 6	35 4 6	62 3 0	75 0 6	78 11 6	69 0 0
Catalogues - -	91 3 7	181 13 2	168 1 6	260 6 8	193 3 7	892 2 10	224 5 3
Lecture tickets - -	19 6 0	66 12 6	72 15 6	30 7 9	39 5 6	11 17 6	7 4 6
Refreshment rooms -	18 18 9	50 14 9	42 12 1½	43 8 10	100 0 0	319 5 3	198 18 10
Waiting rooms - -	12 16 1	17 1 10	13 15 6	21 13 6	25 9 2	127 1 5	49 17 6
Private societies - -	- -	24 0 0	13 0 0	42 12 3	37 3 0	108 15 0	29 0 0
Total - -	587 6 9	1,255 6 9	1,198 14 1½	2,060 1 6	1,898 3 3	4,872 10 0	2,608 9 7

continued.

—	1864.	1865.	1866.	1867.	1868.	1869.	Total.
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
Admission fees - -	1,024 5 6	1,204 1 0	1,167 16 0	1,069 11 0	1,475 17 6	1,737 17 6	18,220 12 10
Periodical tickets - -	82 2 6	90 1 0	86 9 0	92 7 0	117 16 0	161 3 0	1,014 16 6
Catalogues - - -	142 2 2	71 0 2	97 15 8	110 4 8	95 15 7	170 13 3	2,698 8 1
Lecture tickets - -	8 10 6	13 2 6	9 4 0	6 6 0	6 9 0	37 18 0	328 19 3
Refreshment rooms -	184 19 9	225 18 5	229 19 1	187 8 10	216 5 8	241 10 3	2,060 0 6½
Waiting rooms - -	51 1 3	60 15 8	68 1 10	53 1 10	61 19 5	79 8 0	642 3 0
Private societies - -	34 16 0	35 0 0	31 0 0	31 0 0	25 0 0	25 0 0	436 6 3
Total - -	1,527 17 8	1,699 18 9	1,690 5 7	1,549 19 4	1,999 3 2	2,453 10 0	25,401 6 5½

* International Exhibition year, 1862.

† Wedding Presents of H.R.H. the Princess of Wales, 1863.

P. C. Owen, Museum Superintendent for Administration.

Appendix E.

REPORT OF DIRECTOR-GENERAL OF THE GEOLOGICAL SURVEY, &c.

APPENDIX E.

ANNUAL REPORT of the DIRECTOR-GENERAL of the GEOLOGICAL SURVEY, the MUSEUM of PRACTICAL GEOLOGY, the ROYAL SCHOOL of MINES, and the MINING RECORD OFFICE, for the Year 1869.

Progress of the Geological Survey of England and Wales.

Geological Survey of England and Wales.—The Director of the Survey of England and Wales, Professor Ramsay, reports, that the total area surveyed in the year is 2,634¾ square miles, involving the tracing of 8,491¾ miles of boundary lines of formations. This is a satisfactory result; and he states that the amount would have been considerably larger had not untoward circumstances affected the progress in certain districts.

Thus, in the extensive northern district, under the charge of District Surveyor Aveline, in the counties of Cumberland, Westmoreland, and parts of Yorkshire and Lancashire (including the Lake country), 183 square miles and 618 miles of boundary have only been surveyed by Mr. Aveline and six surveyors under him. This is in great measure accounted for by the temporary illnesses of three of his staff, and by the retirement in spring of another, to say nothing of the inclement weather, which impeded field labours in that moist region. In this and in other districts the Director took an active part himself in aiding and correcting the surveying.

Seeing that one of the surveyors in the northern district was incapacitated from feeble health to labour in the field, and yet showed much capacity for house work, Professor Ramsay recommends, and I concur, that this gentleman, Mr. Rutley, be transferred from the field to the office in London, where his powers as a draughtsman are much wanted.

In Lancashire and the adjoining part of Yorkshire 345¾ square miles of carboniferous rocks and new red sandstone have been surveyed, and 779 miles of boundary have been traced by Messrs. Tiddeman, Shelswell, and De Rance. By these labours the mapping of the Lancashire Coal Field has been finished.

In that part of Yorkshire which is adjacent to Lancashire 123¼ square miles have been surveyed, and 833½ miles of boundary have been traced; and in his inspection of this work Professor Ramsay was much satisfied with the accurate delineations of certain highly complicated tracts, as executed by Messrs. Gunn and Goodchild.

The mapping of the main coal fields in Yorkshire by Mr. Green and his assistants, Messrs. Russell and Holmes, is also recorded with marked approbation by the Director.

The area mapped by these gentlemen and their associates, Messrs. Dakyns, Lucas, Fox-Strangways, and Dalton, covered 531 square miles, the boundaries being traced over 2,190 miles.

That experienced geologist, Mr. Howell, who might have held the higher post of district surveyor some time ago if he would have quitted the Survey of England and joined that of Scotland, has, with his assistants, Messrs. Lebour, Burns, and Topley, surveyed 358 square miles of the northern coal fields of Durham and Northumberland, and has traced the boundary over 1,427 miles. The mapping of these important coal fields will probably be finished in the ensuing year, and the construction of the horizontal sections will begin.

In the counties of Rutland, Lincoln, Northampton, Huntingdon, and Cambridge, 208¼ square miles have been surveyed, and boundary lines traced over 330½ miles.

In Essex 76 square miles have been surveyed, and 130 miles of boundary traced.

In Somersetshire 150 square miles of Rhætic or Penarth beds have been mapped, so as greatly to improve the old maps by the introduction of this newly-named sub-formation in the county of Somerset. This work was carried out by Mr. Bristow and Messrs. Woodward, Ussher, and Blake.

I may here record with satisfaction that the work which I specially directed to be forwarded has been much advanced by the laying down of the outlines of those superficial deposits to the acquaintance with the composition of which the agriculturist necessarily attaches much importance.

A considerable tract around London, including the gravel, brickearth, alluvium, and drift, is in course of being surveyed, under the direction of Mr. Bristow, District Surveyor. When this task is accomplished the geological maps of the environs of the metropolis will form a whole, which in this rich district must command a considerable sale.

Maps and Memoirs.

Of works which have been completed are 15 maps in the 6-inch scale, illustrating parts of the coal fields of Lancashire, Durham, and Yorkshire; and two maps only on the 1-inch scale. This deficiency in the issue of the 1-inch maps (and a similar case exists in Scotland) is mainly attributed to the want of a sufficient number of the outline maps, as prepared for our survey at the map office in Southampton. It appears that the superintendent of that establishment has not been supplied with funds to carry on his portion of these labours, and hence the stoppage above mentioned. It has therefore been my duty to call pointedly the attention of the Lords of the Privy Council on Education to the facts, and to recommend that the Lords of the Treasury be invited to sanction the application of the unexpended balance of our estimates, without loss of time, in remedying this evil.

Four memoirs illustrative of maps have been published; one by Mr. Hull, explanatory of the new red and permian strata of the centre of England; another by Messrs. Green, Foster, and Dakyns, explanatory of the sheets they have prepared on the lower carboniferous rocks of Derbyshire; a third memoir, by Messrs. Green, Dakyns, and Ward, on a part of the Yorkshire coal field, illustrating Sheet 88 (S.E.); and a fourth is by Mr. De Rance, on the geology of a part of Lancashire; and other memoirs are in progress.

On this subject Professor Ramsay specially commends the conduct of District Surveyor Bristow, who, in addition to his own duty, has been very serviceable in passing all the maps and publications through the press.

Staff and office accommodation.

The Director has also called my attention to the marked deficiency in the number of district surveyors in England and Wales, when contrasted with Scotland and Ireland, since the great increase of the number of surveyors employed in England. In the former there are 31 surveyors and only two district surveyors; whilst in Ireland and Scotland united there are two of these officers for 16 surveyors beneath them.

I have before pointed out the want of proper office accommodation in London, and now, with the great increase of the number of surveyors, it has become absolutely impossible in the winter season, when many of them are necessarily absent from the field, to finish off their labours and prepare their maps and sections in the one small room only which is at our command.

The comparatively small surveys of Ireland and Scotland have each *three* times as much office room as exists in the metropolitan head quarters;

Appendix E.

REPORT OF DIRECTOR-GENERAL OF THE GEOLOGICAL SURVEY, &C.

and I earnestly trust that this very serious defect, by which our young men are driven to work in their lodgings, and away from all superintendence, may speedily be remedied by the hire of apartments for this purpose. If this were done, the present map office could be most advantageously added to the Museum, of which, indeed, it originally formed an integral part, and which was, in fact, abstracted from space originally destined for the reception of specimens.

In concluding this account of the proceedings of the English, and much the largest, branch of the Geological Survey, I feel that I must record my approbation of the zeal which the Director, Professor Ramsay, has shown in visiting the various districts, in which the numerous surveyors who are employed, many of them being still novices in geology, required much judicious supervision.

The state and progress of the geological maps of England and Wales, both on the scale of 1-inch and of 6-inches to a mile, are shown on the accompanying Index maps A. and B. (*See Table V, page 476, of the return of Maps sold, &c.*)

Geological Survey of Scotland.

Geological Survey of Scotland.—Although the Scottish branch of the survey has in the last year been deprived of the services of one of its most efficient officers, the district surveyor, Mr. Edward Hull, who has been transferred to Ireland to fill the post occupied by the late Professor Jukes, Mr. Geikie, the Director, reports, that a considerable advance has taken place in the amount of ground surveyed in comparison with the return of last year, the additional area this year amounting to 111 square miles.

In the large coal field of the Clyde basin, maps on the 6-inch scale have been published, on which are registered the outcrops of the coal beds, the positions and depths of the pits, &c.; and it is hoped that the greater part of this extensive field will he surveyed by the end of next year.

The surveys of the coal fields of Douglas and Sanquhar, and of the mineral district of the Lead Hills, have been completed.

The general survey is proceeding from the high grounds of Dumfries and Kirkcudbright, already examined, to the lower country southwards towards the Solway Firth, in an easterly direction, passing over Nithsdale and Annandale. This work will next year unite the existing labours with those of former years in Peebleshire and Selkirkshire.

The state of the survey up to the close of 1869 is shown upon the accompanying maps C. and D.

Borings to the united depth of 44,566 feet have been registered in the Geological Office. Considerable additions have been made to the contents of the Museum.

Maps and Memoirs.

Of the maps on the 6-inch scale, nine sheets have been published, illustrating parts of the Clyde and Ayrshire coal fields; and a new feature will appear next year, when all the courses of the lead and other mineral veins at Wanlock Head and the Lead Hills are delineated on this scale.

No maps on the 1-inch scale, I regret to say, have been issued in the past year, owing to the same cause to which I have adverted in regard to England and Wales, viz., the stoppage of the preparation of the necessary outline maps at the Ordnance Office.

In accounting for the small issue of the 1-inch map in England, and its non-appearance during the past year in Scotland, it is my duty to explain to the Lords of the Committee of Privy Council that, from the nature of the operations of the Survey, such discrepancies must from time to time prevail. No steady average of publication can be kept up, for the issues will come in bursts, as proved by experience, and according to the area of ground under survey. Thus, in Scotland, maps over the large area of upwards of 800 square miles were published

in 1868, and, again, whilst no such maps have been issued in the past year, it is expected that in this year (1870) a greater number of these maps will be issued than on any former occasion. But in 1871, as Mr. Geikie estimates, there will very likely occur another lull until the work again accumulates. In fact the rate of progress is to be estimated by the amount of area surveyed within the year, and, judging by this standard, much more work has been carried out in the last year than in the previous year.

I am very happy, however, to report that short memoirs, explanatory of the sheets on the 1-inch scale, are now issued regularly with every new map of the Scottish Survey, at the small cost of 3*d.* each, and similar descriptions are preparing respecting the previously issued maps which were published without such information.

The sale of the maps and memoirs has considerably increased, and the Director reports that, if they were better advertised, a very marked increase would follow.

Catalogue of Scottish Geology.

A highly useful catalogue of all scientific papers on Scottish geology has been prepared by the direction of Mr. Geikie, and, having been systematized, each field surveyor will at once be able to recognize what has already been published respecting any given district in which he may be engaged.

Since the last report from Scotland the premises in Edinburgh, previously occupied as an office for the Geological Survey, have been demolished, and a commodious apartment has been provided in the India Buildings, to serve until proper accommodation can be obtained in the additions about to be made to the Edinburgh Museum of Science and Art.

Geological Survey of Ireland.

Geological Survey of Ireland.—The report of the progress made by the Irish branch of the Survey by its new Director, Mr. Edward Hull, F.R.S., is very satisfactory, when it is recollected that during the past year the public were deprived by death of the zealous services of Professor Jukes, who had so ably directed the Survey for many years.

It appears that the new ground, of which the geological data have been noted in the 6-inch maps, amounts to an area of 797$\frac{1}{3}$ square miles, that boundary lines have been traced for 1,742$\frac{1}{4}$ miles, and that the coast has been surveyed along 246$\frac{3}{4}$ miles.

Maps.

The accompanying coloured index maps E. and F. show the area surveyed before 1869, the amount examined in that year, and also the tracts about to be explored, &c.

It is also announced that nine of the 1-inch maps have been published in the year, making a total of 122 maps already published. *Vide Index Map E.*

Of the memoirs explanatory of the maps, two have been published in the year, one by Mr. Du Noyer, the late District Surveyor, and the other by his successor, Mr. Kinahan. Others were preparing for the press.

Considerable additions have been made to the collections of rock specimens and fossils under the management of Mr. Baily.

The Director, Mr. Hull, has further transmitted to me, as directed, for the information of the Lords of the Committee of Council on Education, a detailed account of the labours of all the staff serving under him, by which it appears that their duties have been creditably performed.

Natural History Branch of the Survey and Museum.

Natural History Branch.

The naturalist, Professor Huxley, reports that during the past year 1,771 specimens have been tabletted, labelled, and added to the collection of fossils in this Museum. A large proportion of them having been derived from the Lycett collection.

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REPORT OF DIRECTOR-GENERAL OF THE GEOLOGICAL SURVEY, &c.

The Rev. Mr. Edgell being now satisfied that the assurances he has received from the Lords of the Privy Council will practically secure the permanent integrity of his collection, a portion of it will be placed in the Museum for temporary display, until such time as the long process of labelling and cataloguing the specimens, and placing them on their proper shelves can be accomplished.

Donations.

Among the donations to the Museum during the present year, of which a list is appended, the following are especially to be noticed:—A large series (300 specimens) of fossils from the London Clay, by Henry T. Cassini, Esq.; fish remains from the Coal measures, by T. T. Barkas, Esq.; vertebrate remains from the Greensand, by S. G. Perceval, Esq.; fossils from the Dover Chalk, by Captain Cockburn; some very fine *Radiolites* from the Greensand of Cambridgeshire, by Dr. Donovan; and an *Actinocrinus* from D. W. Roberts, Esq.

Purchases.

Among the purchases of fossils which have been made during the year, Professor Huxley particularly mentions the sponges from the Upper Chalk, which were described and figured by the late Mr. Toulmin Smith; and the large collection of fossils, illustrating the palæontology of Northamptonshire and Rutlandshire, from the collection of the late Dr. Porter.

Completeness of fossil collection.

Professor Huxley further states that the fossil collection in this Museum is gradually approaching its proper condition of the best and most complete series of British fossils in the world; but that at the same time it is so rapidly increasing in magnitude, that some parts of the catalogue have become almost useless, and he fears that, in 1871, it will be necessary to undertake a new catalogue.

In conclusion, Professor Huxley adds that he has been greatly occupied during the last 18 months with the collection of materials for a report upon the reptiles of the trias of this country, especially the dinosauria.

Palæontological specimens.

The Palæontologist, Mr. R. Etheridge, reports that 7,187 specimens have been carefully examined and determined during the year, typifying and illustrating the following formations, viz.:—

	Specimens.
Silurian	1,100
Carboniferous	1,739
Rhætic	274
Lias	277
Oolitic	3,328
Cretaceous	80
Tertiary	387
	7,187

The two fossil collectors, Messrs. R. Gibbs and Hugh Walters, have transmitted during the past year 2,000 specimens, viz.:—

Mesozoic	828
Palæozoic	1,172
	2,000

The large collection made under the direction of Mr. Judd, and collected by Mr. Gibbs late in the year 1868, and numbering 1,688 specimens, has been named and catalogued, thus illustrating the map of Lincolnshire (No. 64).

The extensive series sent by Mr. Hughes from the Silurian district of Westmoreland, and numbering 1,238 specimens, has, as well as 836 carboniferous specimens collected by Mr. Goodchild, been named and arranged.

Mr. Etheridge also mentions that Mr. Sharman has entered, catalogued, and labelled many thousand specimens.

He further states that 1,671 specimens have been handed over to Professor Huxley for exhibition in the Museum.

Mr. Etheridge has further examined during the year the entire collection of the "Northamptonshire Sand" fossils, arranged in the Northampton Museum, and has named for our purpose 270 species from many thousand specimens. He has also examined the fine collection belonging to S. Sharp, Esq., of Dallington Hall, Northampton, for the purposes of the Survey, he having kindly placed his entire series at our disposal.

Together with Professor Ramsay, Mr. H. Howell, and Mr. Judd, Mr. Etheridge determined in the field the geological horizons of the fossils of the Northampton Sands.

The preparation of the Jamaica memoir for publication occupied Mr. Etheridge's attention for 15 days, during the months of February and March, prior to publication.

The catalogues have received all necessary attention for the records of the Survey, such mechanical duty falling chiefly upon Mr. Sharman, who has during the year been most efficient and attentive to his duty, doing all in his power to lessen the labour of the Department.

Museum of Practical Geology.

Museum of Practical Geology.

The number of visitors during the year, as compared with the previous year, is shown as follows:—

	1868.	1869.
Day - - - - -	29,449	26,871
Evening - - - -	19,683	20,635
	49,132	47,506

The amount received by the sale of catalogues is 29*l.* 15*s.* 6*d.*

Lists of donations to the Museum and Library are appended. (*See post, page* 466.) Of the donations to the Museum that of Mr. Bessemer of a collection of specimens of his steel worked into various forms deserves especial notice, both on account of its interest and value.

Royal School of Mines.

Royal School of Mines.

The following is a tabular statement of the students entered and the fees received during the sessions 1867-68 and 1868-69:—

Description of Students.	Nos.	1867-68. £	s.	d.	Nos.	1868-69. £	s.	d.
Royal Exhibitioners and students entering for 1, 2, or 3 years, with a view to become Associates.	12	135	0	0	17	210	0	0
Occasional students entering for special subjects, viz.:—								
Chemistry - -	31	145	0	0	30	158	0	0
Natural History - -	9	34	0	0	11	40	0	0
Physics - - -	36	113	0	0	14	45	10	0
Geology - -	9	22	10	0	17	41	0	0
Mining - - -	4	16	0	0	5	18	0	0
Mineralogy - -	1	2	0	0	4	12	0	0
Metallurgy - -	6	24	0	0	4	12	0	0
Applied Mechanics -	2	4	10	0	7	21	0	0
Mechanical Drawing -	2	4	0	0	1	1	0	0

Appendix E.

REPORT OF DIRECTOR-GENERAL OF THE GEOLOGICAL SURVEY, &c.

Description of Students.	Nos.	1867-68. £	s.	d.	Nos.	1868-69. £	s.	d.
LECTURES TO WORKING MEN.								
1st course - -	600	15	0	0	600	15	0	0
2nd course - -	600	15	0	0	600	15	0	0
3rd course - -	600	15	0	0	—	—		
4th course - -	600	15	0	0	—	—		
EVENING LECTURES.								
1st course, Natural History -	176	44	0	0	—	—		
2nd course, Geology - -	165	41	5	0	—	—		
1st course, Chemistry - -	—	—			237	59	5	0
2nd course, Physics - -	—	—			180	45	0	0
Total fees received -	—	645	5	0	—	692	15	0

Mining Record Office.

Mining Record Office.—Mr. Robert Hunt, the keeper of the Records, reports that in February he visited the coal fields of Gloucestershire, Somersetshire, and afterwards those of Staffordshire. In the latter it was especially necessary that a careful examination of the coal produce should be made. He also visited Manchester and some parts of East Lancashire at this time, repeating his visit in May, and extending his inquiries over the large coal area of Lancashire and Cheshire. Most of July was devoted to the coal fields of the West Riding of Yorkshire and of the midland counties. In August it was found desirable to examine the South Wales coal district, with especial reference to the production, use, and distribution of the coal of that important mining and metallurgical district.

Other duties called him into Cornwall, and the result of his labours is shown in the list of the drawings of mines, which is appended.

Many new plans and sections have been obtained, and to a still larger number necessary additions have been made, so as to show the condition of the workings up to the latest date. A series of the original working drawings of 15 large mines, all of which have been abandoned, has been given to the Mining Record Office by Captain Thomas Richards, of Redruth, who accompanied his valuable gift with a letter expressing his opinion of the national importance of preserving all such documents.

Another series of plans and sections of lead mines in Westmoreland and Northumberland has also been obtained for the office.

In 1868 Mr. Hunt was enabled to add 87 plans of collieries, and 53 additional plans have been secured during 1869.

The Mining Record Office has, during the year, furnished useful information to the Minister of Mines in Melbourne, and has supplied the Board of Trade with the abstract of Mineral Returns which that Board publishes in their annual miscellaneous statistics. It has materially aided the officials of Lloyds with information required by them as to the shipments and qualities of coal.

Mr. Hunt's efforts to render the Mining Record Office of use to the public, and to produce the mineral statistics in the most reliable condition, have been zealously aided by his assistants, Mr. Richard Meade and Mr. James Jordan.

Chemical Laboratory.

Chemical Laboratory.

Dr. Frankland, the Professor of Chemistry, reports that the laboratories have been *overcrowded* with earnest and attentive students, who

have received daily instruction in chemical manipulation, and in qualitative and quantitative analysis.

During the past year the number of students who have worked at practical chemistry in this college has exceeded that recorded in any previous year. The students' laboratory has very narrow accommodation for only 40 students, but, by giving up the greater part of the laboratory of research, Dr. Frankland has been able to receive from three to eight in addition to the above number. Nevertheless, many applicants have been reluctantly refused admission.

Collateral investigations undertaken by Dr. Frankland.

The investigations alluded to in his last report, and which Dr. Frankland is making in conjunction with Mr. Norman Lockyer, have been continued. These researches have given an interesting and novel insight into the chemical and physical condition of the solar atmosphere. They have shown that the luminous surface of the sun is gaseous, and not liquid or solid, as was previously supposed, and that above the gaseous photosphere there floats a vast atmosphere of glowing hydrogen, in which cyclones, of a degree of violence scarcely conceivable, are continually occurring. Vast volumes of the vapours of iron, magnesium, sodium, and other metals, are also from time to time erupted with extraordinary velocity into this atmosphere. Laboratory experiments have enabled them to determine, approximately at least, the tension of these vapours near the photosphere of the sun, and also the height at which a barometer would stand at various elevations in the hydrogenous solar atmosphere. It is anticipated that these observations will not only lead to a more accurate knowledge of the sources of heat and light in the sun, but will also serve to elucidate the past history of our own planet.

Dr. Frankland has continued during the past year to make monthly analytical examinations of the water supplied to the metropolis by the various companies. The results of these analyses are regularly published in the reports of the Registrar-General. He has also repeatedly pointed out the turbid condition of much of the water delivered in London, in contravention of an Act of Parliament, which commands that all water taken from the Thames and Lee shall be filtered before it is supplied to consumers. In consequence of these representations the medical department of the Privy Council, believing that the use, for domestic purposes, of unfiltered river water, which receives town sewage, is fraught with danger to health, is now taking steps to compel all water companies to comply with the legislative enactment.

Dr. Frankland has continued to act as examiner in inorganic and organic chemistry to the Department of Science and Art, and has also conducted the chemical examinations of the students of the Royal School of Naval Architecture, and of the laboratory of the Board of Inland Revenue at Somerset House.

In July last the Lords of the Committee of Council on Education offered to science teachers certain facilities for receiving instruction in the teaching of experimental science. A large number of teachers availed themselves of this privilege, and, at the request of my Lords, Dr. Frankland delivered to them a lecture in the theatre of the Royal College of Chemistry on the subject of teaching chemistry by illustrated lectures. This was followed by a course of practical instruction in the laboratory, during seven days, to such of the teachers as were sufficiently acquainted with chemistry to enable them to undertake the necessary manipulatory work. Twenty-six attended this laboratory class, and, notwithstanding the shortness of the time, expressed themselves much benefitted by the course. Many of them urged the very great value which such instruction would have to them if it could be continued during the whole of their summer or winter vacation. There can be no doubt that one or two vacations devoted to learning the art of communi-

Appendix E.

REPORT OF DIRECTOR-GENERAL OF THE GEOLOGICAL SURVEY, &c.

cating chemical knowledge would transform many an inaccurate and inefficient man into a careful and successful teacher, and thus remedy, to an important extent, the most prominent defects in the teaching of experimental chemistry in this country, as revealed in the papers worked at the May examinations of the Science and Art Department.

At the request of the Registrar-General, Dr. Frankland undertook the investigation of the relative permanency of the chief kinds of ink used for the registration of births, deaths, and marriages, and for other MSS. where resistance to spontaneous or artificial obliteration is of prime importance. In the course of these experiments he was led to try the applicability to this purpose of aniline black, one of the new aniline colours discovered in his laboratory. The result of the trial showed that this black, when used as ink, is practically indestructible, and also irremovable from paper or parchment by chemical means.

Dr. Frankland has also made experiments for the Lords of the Admiralty on the prevention of the incrustation of steam boilers, and for the Board of Trade and Colonial Office on certain dye-woods and specimens of indigo from the Colonies.

Finally, he has continued during the past year to act as one of Her Majesty's Commissioners for inquiry into the Pollution of Rivers.

Number of Students in Chemical and

Return of Students attending the Chemical Laboratory:—

	1868.	1869.
Spring Term - - - -	34	43
Summer „ - - - -	37	45
Winter „ - - - -	45	48
	116	136

Metallurgical Laboratory.

Metallurgical Laboratories.

The students attending the laboratory under Dr. Percy during the Sessions 1867–8 and 1868–9 were as follows:—

	1867–8.	1868–9.
Spring Term - - - -	9	14
Summer „ - - - -	7	9
Winter „ - - - -	13	12
	29	35

In conclusion, I have the satisfaction to observe that in the Geological Survey of the United Kingdom there has been a marked increase of the area surveyed; that the Museum has been much enriched by donations; that the number of students in the Royal School of Mines has increased; whilst the attendance in the laboratories, chemical and metallurgical, has been so great as to render it necessary to refuse admission to many applicants.

ROD. I. MURCHISON,
Director-General.

20th January 1870.

I.

DONATIONS to the MUSEUM.

Donations to the Museum of Practical Geology.

ABEL, Prof., F.R.S.—Samples of mining-charges prepared by the Patent Safety Gun Cotton Company, Limited; and sections of electric mining-fuzes.

ATTWOOD, M., Esq., F.G.S.—A specimen of native mercury, from the Pioneer Mine, Napa county, California.

BATTYE, W., Esq.—A fine specimen of crystallized Galena, from the Cwmbyr lead mine, Montgomeryshire.

BAUERMAN, H., Esq., F.G.S.—A valve of the pearl-oyster (*Meleagrina margaritifera*), with the muscular impressions studded with nacreous excrescences.

BESSEMER, H., Esq.—A collection of specimens of Bessemer steel worked into various forms.

BONUS, Major, R.E.—A calcareous concretion from the Lias, found in a railway cutting at Bitton, near Bath.

CAMPBELL, Dr. Hugh.—A specimen of Lignite, from the neocomian beds of Sehnde, near Hanover.

CAMPBELL, H. W., Esq.—A specimen of cellular Chalcedony, with pseudomorphous cavities, from the Isle of Paxo, Ionian Isles.

CHESTER, Rev. Greville John, M.A.—A cup and saucer in Wedgwood's blue and white cameo ware, and a small saucer in brown glazed ware, probably of Spanish manufacture.

CHURCH, Prof. A. H., M.A., F.C.S.—A small vase in pink and white Bristol glass; and a knife-haft in old Staffordshire salt-glazed stone-ware.

CRADOCK, Rev. Dr.—Two slates from Langdale, Westmoreland, showing several small faults.

DALWAY, M. R., Esq., M.P.—Samples of rock-salt, from the Maiden Mount Mine, near Carrickfergus; and of pisolitic iron ore from Shane's Hill, Kilwaughter, Larne, co. Antrim.

DAY, R., Esq.—A stone arrow-head found at Philadelphia, Pennsylvania; and a sample of the petroleum-bearing conglomerate of Pennsylvania.

EAMES, C. J. L., Esq.—A plate in Broseley pottery, with view of the city of Worcester.

FOSTER, Dr. C. Le Neve, B.A., F.G.S.—A rich specimen of auriferous quartz, from Nueva Providencia, Caratal Gold Field, Venezuelan Guayana; and a specimen of scheelite from the Val Toppa Gold Mine, Piè di Mulera, Val d'Ossola, Piedmont.

FRANKS, A. W., Esq., M.A., F.S.A.—A small cup in Place's ware, manufactured at the Manor House at York, and formerly in the Strawberry Hill collection.

GEACH, F. F., Esq.—Samples of stream-tin and of the associated deposits, from Johore, near Singapore, Malay Peninsula.

GOSS, W. H., Esq.—Several pieces of Staffordshire pottery, including two specimens of old Wedgwood ware.

GUTHRIE, Col. C. S.—A polished specimen of jadeite from Burmah.

GUTHRIE, Prof., B.A., F.C.S.—Two polished flint celts, found in the turf-beds at Marcuil, Dep. of the Somme.

HALFORD, R. M., Esq.—A sample of Galena from the Geraldine Mine, on the Murchison River, Western Australia.

HARRISON, C. F., Esq.—A flint celt, and a polished bone probably used as a skate, dredged up from the bed of the Thames at Erith.

HENNIS, S. J., Esq.—A specimen of galena from the Great Manod Silver-Lead Mine, Ffestiniog; and of manganese ore from Cwm Mawr, Merionethshire.

HOPE, Capt. C. W., R.N.—Specimens of auriferous quartz and other minerals, from the Thames Gold Field, near Auckland, New Zealand.

HUNT, Robert, Esq., F.R.S.—A specimen of sand agglutinated by hydrous peroxide of iron, from St. Agnes, Cornwall.

HUNTER, Capt.—A specimen of quartz crystallized in radiating forms around central tubes, from Deolalee, Bombay.

HYDE, Samuel, Esq.—A fine series of copper ores recently obtained from considerable depths in the Ballycummisk Mine, near Skull, co. Cork, Ireland.

JONES, Prof. Rupert, F.G.S.—A specimen of crystallized selenite, on wood, from the Salt Works of Salzburg.

JUDD, J. W., Esq., F.G.S.—A weathered flint exhibiting conical fracture, found in gravel laid down in the streets of London.

Appendix E.

REPORT OF DIRECTOR-GENERAL OF THE GEOLOGICAL SURVEY, &c.

LLOYD, Rev. H. R., M.A.—A stalactite from the grotto of Antiparos; specimens of sulphur from the isle of Milos, and of emery from Naxos.

LOCKHART, Dr.—A Chinese cup in porcelain, ornamented with open-work filled in with semi-transparent glaze.

LUKIS, J., Esq.—A specimen of steatite, probably brought from China.

MCADAM, W., Esq.—A sample of "plumbago ore," from Ottawa, Canada.

MAXWELL, Sir. J. Heron, Bart.—Two specimens of fossilized wood, with red iron ore as the mineralizing agent, from Highmuir, Spring Kell, Ecclefechan, Dumfriesshire.

MOSTYN, Sir Pyers, Bart.—Two scythe stones from the Talacre Quarries, Flintshire.

MOUAT, Rodolph, Esq.—A stone hammer-head, a Roman coin of the Emperor Claudius, a fragment of pottery, and specimens of ore and slag, from the ancient workings in the copper mine of Ruy Gomes, Portugal.

NAYLOR, Lieut.-Col.—A specimen of blue chalcedony in cubic crystals pseudomorphous after fluor-spar, from Tresztyan, Transylvania.

PALLISER, Mrs.—Twelve modern Dutch tobacco pipes, with sample of the clay used in their manufacture.

PERCEVAL, Spencer G., Esq.—Specimen of rutile in quartz, from Cush-Cum-Curragh, near Borrishoole, co. Mayo, Ireland.

PRICE, Dr. David S.—Two specimens of his XV-inch shot, fired 31st March 1869.

ROBERTS, W. Chandler, Esq., F.G.S., F.C.S.—A small medal struck in palladium and charged with 900 volumes of hydrogen, supposed to be an alloy of palladium with "hydrogenium;" and a large medallion in electro-deposited iron, with portrait of Prof. Jakobi.

SMYTH, W. W., Esq., M.A., F.R.S.—A string of 15 beads carved in rock-salt, from Wielicka, Galicia.

SUTHERLAND, HIS GRACE THE DUKE OF.—A sample of the stream-gold found at Kil-donnan, Sutherlandshire.

TAIT, Col.—A specimen of mendipite, from the Mendip Hills; and a sample of the pisolitic red hæmatite, from the leads of the Red Iron Mountain Company, Shelby co., Alabama, U.S.

TENNANT, Prof., F.G.S.—Model of the first nugget of gold received from Australia in 1851; and model of the large nugget of gold found at Kil-donnan, Sutherlandshire.

TOOKEY, C., Esq., F.C.S.—Several pieces of Chinese and Japanese porcelain.

WALDUCK, H. J., Esq.—Specimens of red hæmatite, and of the associated rocks, from the Warton Mines, near Lancaster; together with samples of the pigment prepared from the hæmatite, and a water-colour sketch in native oxide of iron.

WALLBRIDGE, T. C., Esq.—Specimens of native gold, associated with carbonaceous matter and hydrous peroxide of iron, in dolomite, from the Richardson mine, Madoc; and samples of magnetic and hæmatitic iron-ores from the co. of Hastings, Canada West.

WAY, Albert, Esq., M.A., F.S.A.—Plaster casts of two flint implements found near Bournemouth, Hants.

WHITAKER, W., Esq., B.A., F.G.S.—A flint implement found on the shore, west of the Reculvers, Kent.

WITT, Sheridan, Esq.—Specimens of coal, magnetic iron-sand, and selenite, from New Caledonia.

WYKES, J. L., Esq.—A six-inch cube of sandstone from Duffield Bank quarry, near Derby.

II.

DONATIONS to the LIBRARY.

Donations to the Library.

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.—Proceedings of the sixteenth meeting of the Association.

BOSTON SOCIETY OF NATURAL HISTORY.—Proceedings and Memoirs of the Society, in parts; and Harris's Entomological Correspondence.

BRITISH MUSEUM, The Trustees of.—Catalogue of the Hemiptera Heteroptera, Part III.; Catalogue of the Dermaptera Saltatoria, Part II.; and Hand-list of genera and species of Birds, Part I.

CAMBRIDGE MUSEUM OF COMPARATIVE ZOOLOGY, Mass., U.S.—Report of the Trustees for 1868.

CIVIL ENGINEERS, THE COUNCIL OF THE INSTITUTION OF.—Minutes of Proceedings of the Institution. Vols. XXVII. and XXVIII.

COLONIAL OFFICE.—Essays on the settlement of the gold-mining population in New Zealand; Abstract-report on progress of Geological Survey of New Zealand during 1868-69; and Second Report on the Thames goldfield.

CORNWALL POLYTECHNIC SOCIETY, ROYAL.—Reports of the Society for 1861, 1863, and 1865.

DECHEN, HERR OBERBERGHAUPTMANN VON.—Geognostische Uebersichtskarte von Deutschland, Frankreich, England, und den angrenzenden Ländern; with explanation.

DENNY, H., Esq.—Reports of the Geological and Polytechnic Society of Yorkshire for 1860, 1861, and 1868.

EGERTON, SIR PHILIP DE MALPAS GREY, Bart., M.P.—Alphabetical Catalogue of Type-specimens of Fossil Fishes in the donor's collection at Oulton Park.

ESSEX INSTITUTE, Salem, Mass,, U.S.—Proceedings of the Institute. Vols. 1 to 4.

GLASGOW, GEOLOGICAL SOCIETY OF.—Transactions of the Society. Vol. III., Part 1.

GOODEVE, Prof. M.A.—The Elements of Mechanism, designed for Students of Applied Mechanics. By the donor. 1 vol., 8vo., cloth, 1865.

HAVILAND, A., Esq., M.R.C.S.—Abstracts of two papers on the Geography of Disease. 8vo. pamphlet, 1869.

HEWITT, Abram, S., Esq.—Prof. Cook's report on the Geology of New Jersey, with an atlas of eight maps. 8vo. Newark, 1868.

HUXLEY, Prof., LL.D., F.R.S.—An Introduction to the Classification of Animals. By the donor. 1 vol., 8vo., cloth, London, 1869.

LEA, Dr. Isaac.—Lea's Conchology, Part XII.

MANCHESTER, GEOLOGICAL SOCIETY OF.—Transactions of the Society. Vols. IV. and V., bound; Vols. VI. and VII., unbound; and Parts 1 to 4 of Vol. VIII.

MURCHISON, Sir R. I., Bart., K.C.B., F.R.S.—Die Jura in Franken, Schwaben, und der Schweiz, by W. Waagen; Die Contorta-zone, by A. von Dittmar; Tableau physique du Sahara oriental de la Province de Constantine, by M. C. Martins; Description d'ossements fossiles de mammifères inconnus jusqu'à présent, by Jean-Jacques Kaup; The Cycle of Celestial Objects continued at the Hartwell Observatory to 1859, by Vice-Admiral W. H. Smyth, K.S.F., F.R.S.; Sketch of the Rise and Progress of the Royal Society Club; Thesaurus Siluricus, by John J. Bigsby, M.D.; Reports of the U.S. Coast Survey for 1863, 1864, and 1865; Report on the Mineral Resources of the U.S., 1868; The Comstock Lode, by A. Sutro; The Mines and Minerals of New Brunswick, by L. W. Bailey; Sedgwick's Geology of the Lake District; On the History of Eozoon Canadense; Notes on the Valleys of Pirira and Chira, by R. Spruce; Invention of the Electric Telegraph, 1869; Collection of Reviews, by the Rev. J. Duns; Catalogue of printed books in the British Museum, Vol. I.; and Additions to the MSS. in the British Museum in 1836-40.

NEWBY, T. C., Esq.—Circle of Light, or Dhawalegeri. By H. P. Malet. 1 vol., 8vo., cloth, London, 1860.

NEW YORK, STATE OF.—Report of the Commissioners of Agriculture for 1867; Fiftieth and Fifty-first Reports on the State Library; and the Twentieth Report on the State Cabinet of Natural History.

NEW YORK LYCEUM OF NATURAL HISTORY.—Annals of the Lyceum. Vol. IX., Nos. 1 to 4.

NILSEN, Nils Andreas, Esq., The Executors of the late.—A case of valuable manuscripts, entitled "Collectanea ad rem monetariam spectantia;" and a few pamphlets on mining.

Appendix E. — Report of Director-General of the Geological Survey, &c.

Nystrom, M. J. G.—Informe al supremo Gobierno del Perù sobre una Expedicion al interior de la Repùblica. By the donor. 1 vol., 8vo., unbound, Lima, 1868.

Ohio State Agricultural Society.—Twenty-second Report of the Society.

Pain, A. C., Esq.—Price book of the Wardour and Tisbury Stone Company, Limited.

Peabody Academy of Sciences, Salem, Mass., U.S.—Memoir of the Academy, Vol. I., Part 1; and the American Naturalist, Vol. II.

Royal Society of London, The Council of.—Catalogue of Scientific Papers. Vol. III., 4to., cloth, London, 1869.

Smith, Mrs. Toulmin.—The Ventriculidæ of the Chalk. 1 vol., 8vo., cloth, London, 1848.

Smithsonian Institution.—Report of the Institution for 1867; and Binney and Bland on the Land and Freshwater Shells of North America. Part 1.

Smyth, W. W., Esq., M.A., F.R.S.—Uebersicht der Sammlungen der K. K. Schatzkammer. 1 vol., 12mo., Vienna, 1869.

Studer, M. B.—Matériaux pour la Carte géologique de la Suisse. Sixième Livraison: Jura Vaudois et Neuchâtelois. By M. A. Jaccard. 1 vol., 4to., unbound, Berne, 1869. With two maps.

Swedish Academy of Sciences, The Royal.—Sketch of the Geology of Spitzbergen, by A. E. Nordenskiöld; Utkast till Spetzbergens Geologi af A. E. Nordenskiöld; Anteckningar till Spetzbergens Geografi af N. Dunér och A. E. Nordenskiöld; Bidrag till Kännedomen om Islands Bergsbyggrad af C. W. Paijkull; and, Om Trias- och Jura-försteningar från Spetzbergen af G. Lindstrom.

Swedish Government.—Sheets 26, 27, 28, 29, and 30 of the map of the Geological Survey of Sweden; with Explanatory Text.

Vacher, A., Esq., F.C.S.—Fresenius' Qualitative Analysis. Seventh edition. Edited by the donor. 1 vol., 8vo., cloth, London, 1869.

Victoria, His Excellency the Governor of.—The Gold Fields and Mineral Districts of Victoria. By R. Brough Smyth, F.G.S. 1 vol., 4to., cloth, Melbourne, 1869.

Washington, The Hon. the Commissioner of Patents of.—Report of the United States Patent Office for the year 1866. 3 vols., 8vo., cloth, Washington, 1867.

Way, Albert, Esq., M.A., F.S.A.—Hydriotaphia Cambrensis: Ancient Interments and Sepulchral Urns found in Anglesey and North Wales; from Notices collected by the Hon. William Stanley, M.P.; with additional observations by the donor. 1 vol., 8vo., cloth, London, 1868.

Woolhope Club, Central Committee of the.—The Transactions of the Woolhope Naturalists' Field Club for 1868. 1 vol., 8vo., cloth, Hereford, 1869.

III.

List of Documents added to the Mining Record Office during the Year 1869, and of Mine Plans and Sections completed to this Date.

Plans and sections, &c. added to Mining Records.

1. Latchley Consols, longitudinal section of workings.
2. Do. plan of underground workings.
3. Huel Prudence, longitudinal section on Huel Prudence lode.
4. Do. plan of underground workings.
5. Huel Polmear, plan of surface and workings.
6. Do. longitudinal section of Ploughshare lode.
7. Do. longitudinal section of Gewan's lode.
8. Do. longitudinal section of Quarry lode.
9. Do. longitudinal section of Gewan's south lode.
10. Prince of Wales, plan of underground workings.
11. Do. longitudinal section.
12. Do. transverse section.
13. Charlestown United, plan of underground workings.

14. New Huel Lovell, longitudinal section of workings.
15. West Sharp Tor, plan of underground workings.
16. Do. longitudinal section.
17. Restormel Royal Iron Mine, plan of workings.
18. Okel Tor Mine, plan of underground workings.
19. Do. longitudinal section.
20. Well section: strata sunk through at the Three Counties Lunatic Asylum. Arlesey, Beds.
21. Huel Falmouth and Sperries, plan of workings.
22. New Great Consols, plan of underground working.
23. North Huel Robert, plan and section of workings.
24. Ludbrook or South Lady Bertha, section of workings.
25. Tavistock United Mines, section of workings and cross course.
26. Do. surface plan of mine.
27. Walkham and Poldice, plan of workings.
28. Do. longitudinal section looking east.
29. Bedford Consols. and Gawton United, plan of workings.
30. Huckworthy Bridge, longitudinal section of workings.
31. Prince Arthur (late Huel Belsy), plan of workings.
32. Do. longitudinal section of workings.
33. Tamar Valley Silver Lead Mine, plan of workings.
34. Do. longitudinal section of workings.
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63. West Huel Jane, plan of underground workings.
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REPORT OF DIRECTOR-GENERAL OF THE GEOLOGICAL SURVEY, &c.

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99. Do. Sithney Huel Metal, plan of workings.
100. Do. longitudinal section of workings.
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309. Shire Moor and Long Benton, plan of colliery workings.
310. Downhill Colliery, plan of workings.

ROBERT HUNT, F.R.S.,
Keeper of Mining Records.

8th January 1870.

Appendix E.

REPORT OF DIRECTOR-GENERAL OF THE GEOLOGICAL SURVEY, &c.

IV.

Fossils presented to Museum during 1869.

Fossils presented to Geological Museum.

By Dr. Donovon :

1 specimen of radiolites mortoni, from the Greensand of Cambridgeshire.

By A. Rogers, Esq., Bombay Civil Service :

9 specimens of orbitolites, from the Upper Greensand of Haldane Heath, S. Devon.

By Bernhard Smith, Esq. :

1 specimen of silicified wood, from the drift of Surrey Down, Guildford.

By David W. Roberts, Esq. :

1 specimen of actinocrinus pulcher, from the Wenlock rocks.

By Henry T. Cassini, Esq. :

300 specimens of various fossils from the London Clay of Highgate Wood.

By T. T. Barkas, Esq. :

26 specimens of fish remains from the coal measures of Newsham Colliery, Northumberland.

By J. Rofe, Esq., Lancaster :

4 specimens of cladochonus (Jania) from the carboniferous limestone of Lancashire.

By — Ridcont, Esq. :

1 block of freshwater limestone, from the Eocene of the Isle of Wight, containing a fossil bone.

By J. Evans, Esq., F.R.S.

1 specimen of wood embedded in flint, from the surface of ground at Abbots Langley.

By J. Rofe, Esq., Lancaster :

4 specimens of cladochonus (Jania), from the carboniferous limestone of Lancashire.

By J. Gray, Esq., Hagley, Worcestershire :

3 specimens of goniophyllum Fletcheri, from the Wenlock limestone of Dudley.

By Captain Cockburn :

30 specimens of brachiopoda, from the Chalk of Dover.
2 „ echinoderms „ „
1 „ lima „ „

By S. G. Perceval, Esq. :

37 specimens of vertebrata, &c. from the Greensand.

V.

Maps, &c. issued for sale in 1869.

Return of Maps, Sections, and Memoirs* of the Geological Survey of England and Wales supplied to the Agents for Sale during the Year ending 31st December 1869.

	1868.	1869.
Whole sheets (1 inch to the mile)	498	530
Quarter sheets of the same	820	1,402
Horizontal sections	124	160
Vertical sections	34	50
Index maps (4 miles to 1 inch)	25	17
Sheets on the 6-inch scale	226	150
Index of colours	6	4
	1,733	2,313

* The Memoirs are supplied to agents by the Stationery Office.

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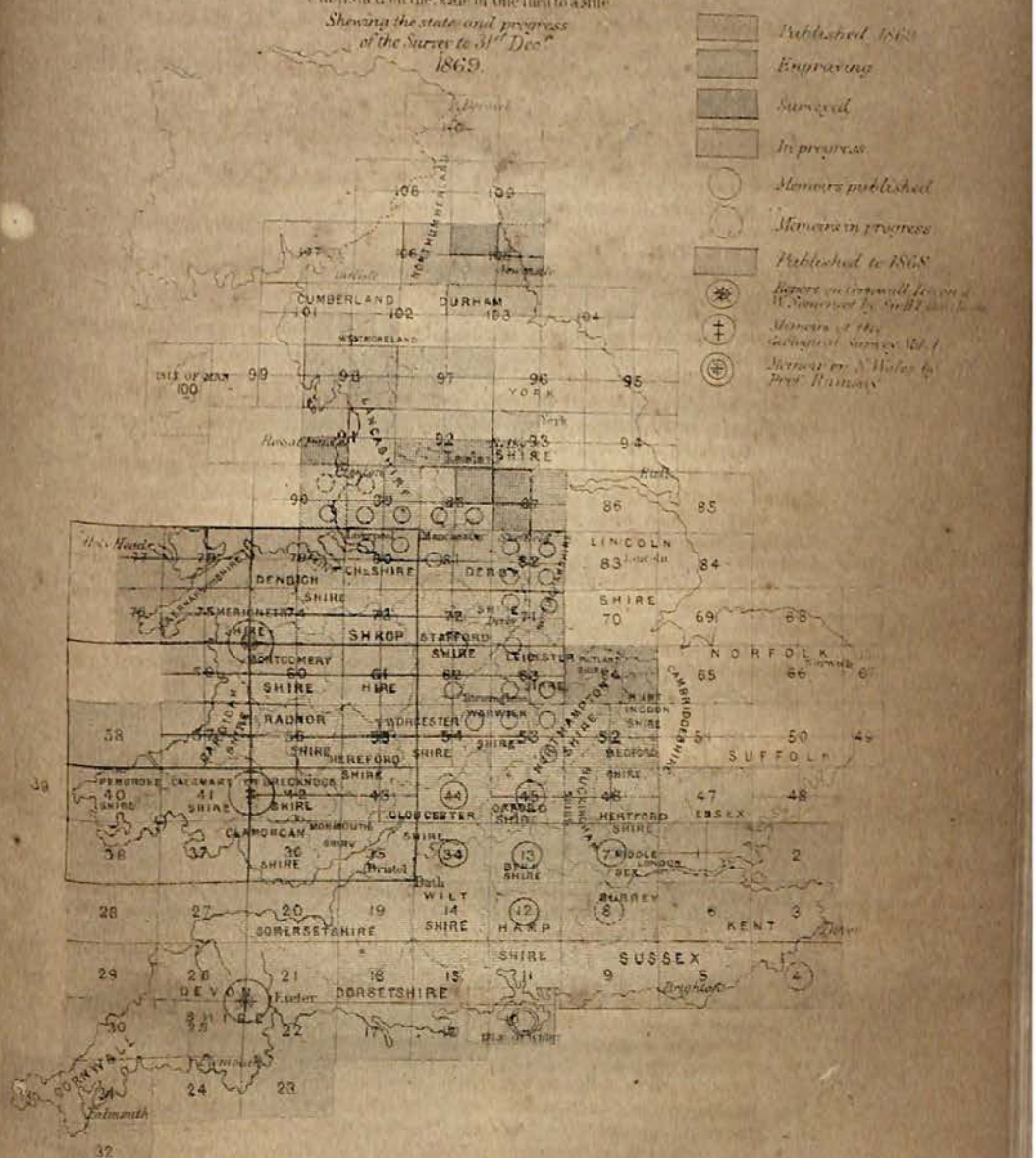
GEOLOGICAL MAP OF ENGLAND

Published on the Scale of One Inch to a Mile

Shewing the state and progress of the Survey to 31st Decr 1869.



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OF

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OF

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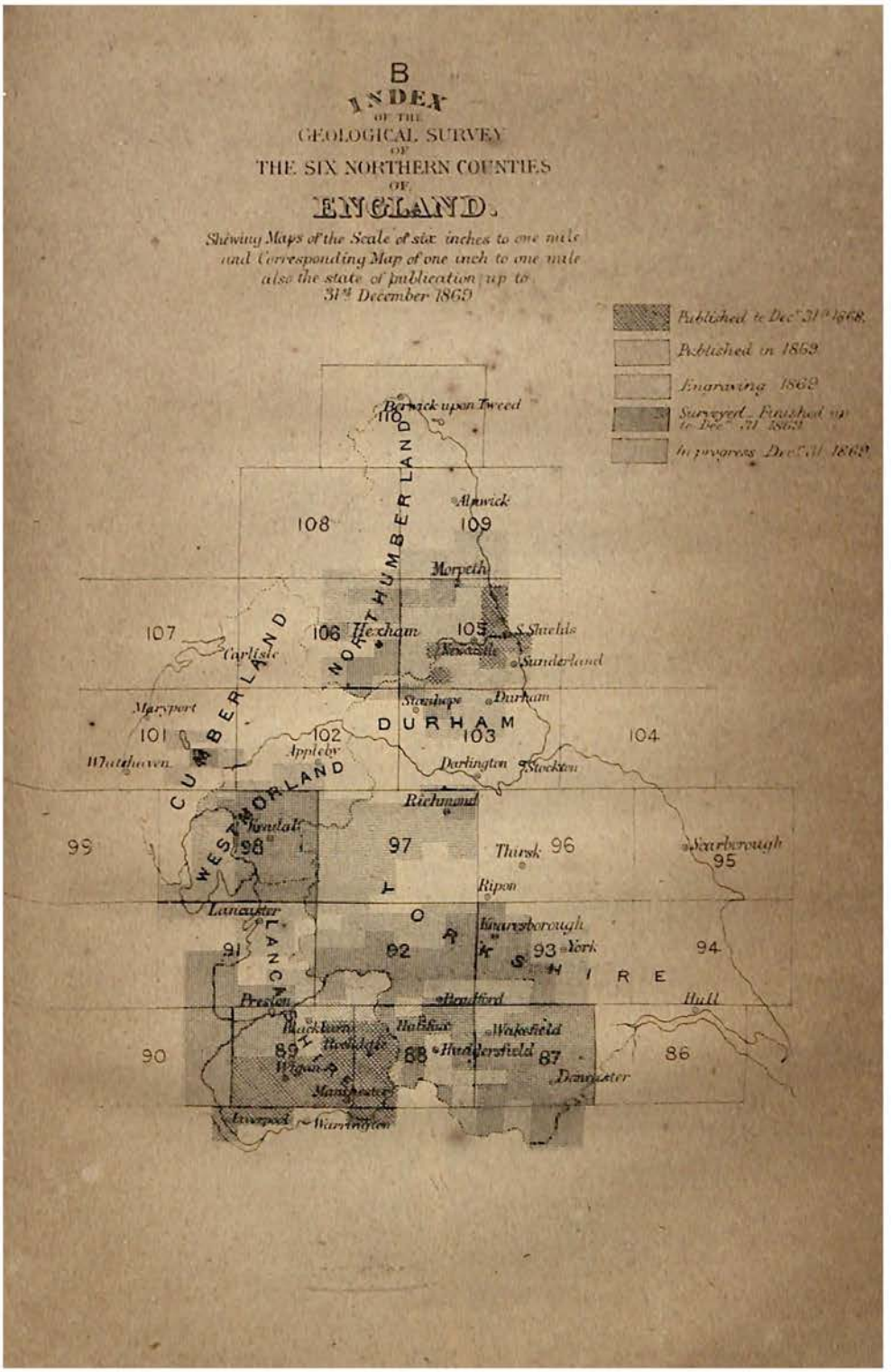
Shewing Maps of the Scale of six inches to one mile and Corresponding Map of one inch to one mile also the state of publication up to 31st December 1869



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Published on the Scale of One Inch to a Mile

shewing progress of Survey during the year

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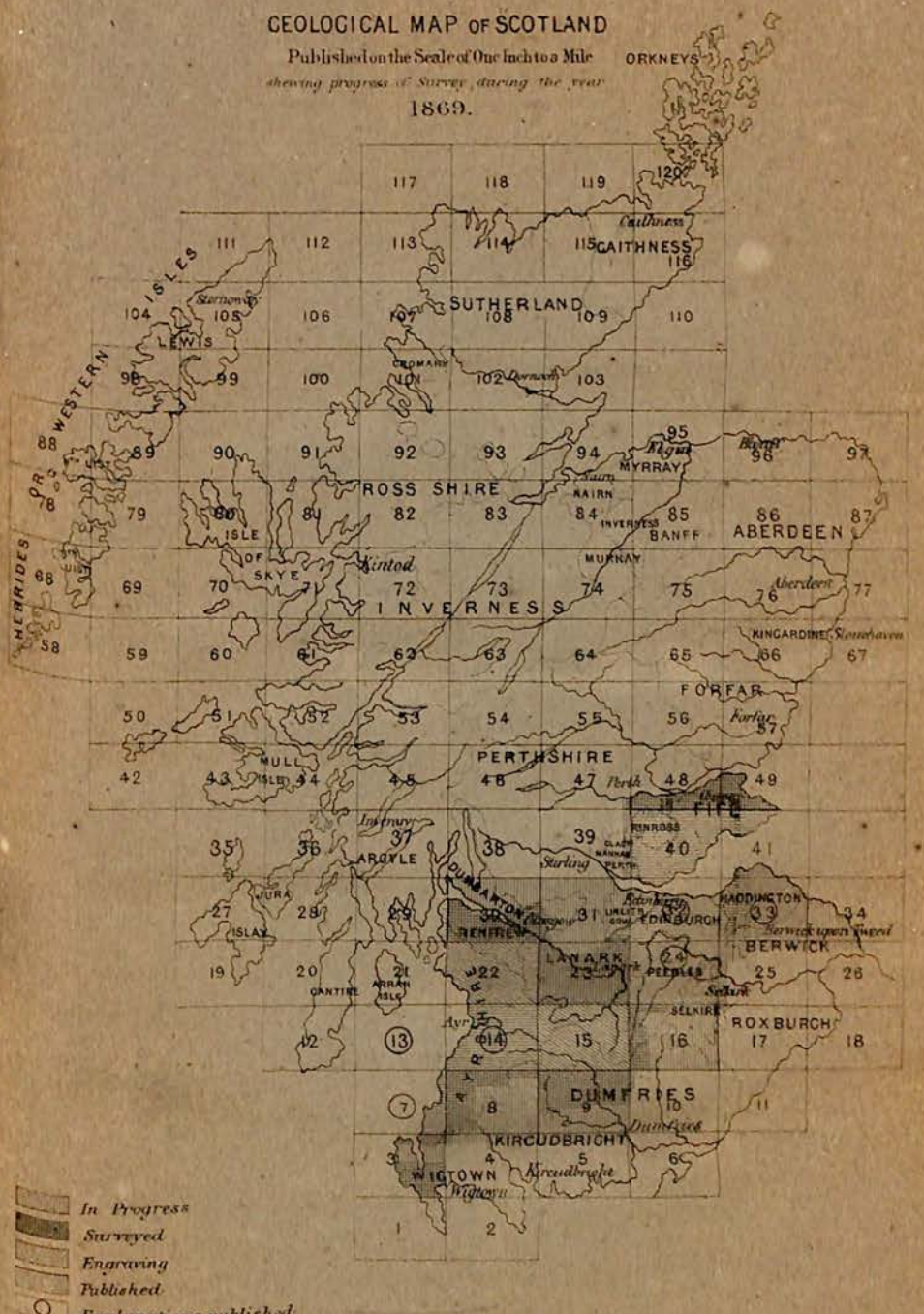

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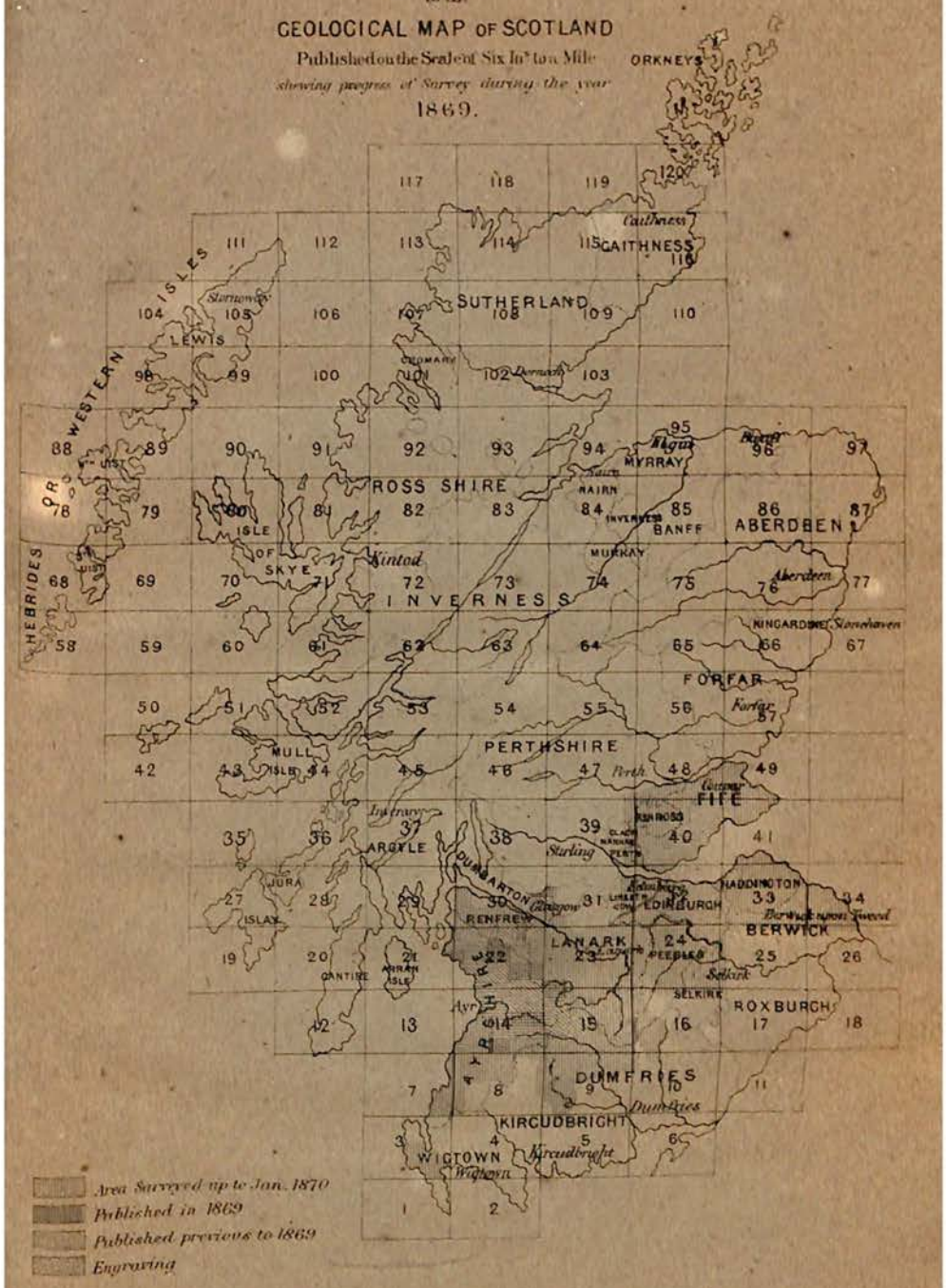

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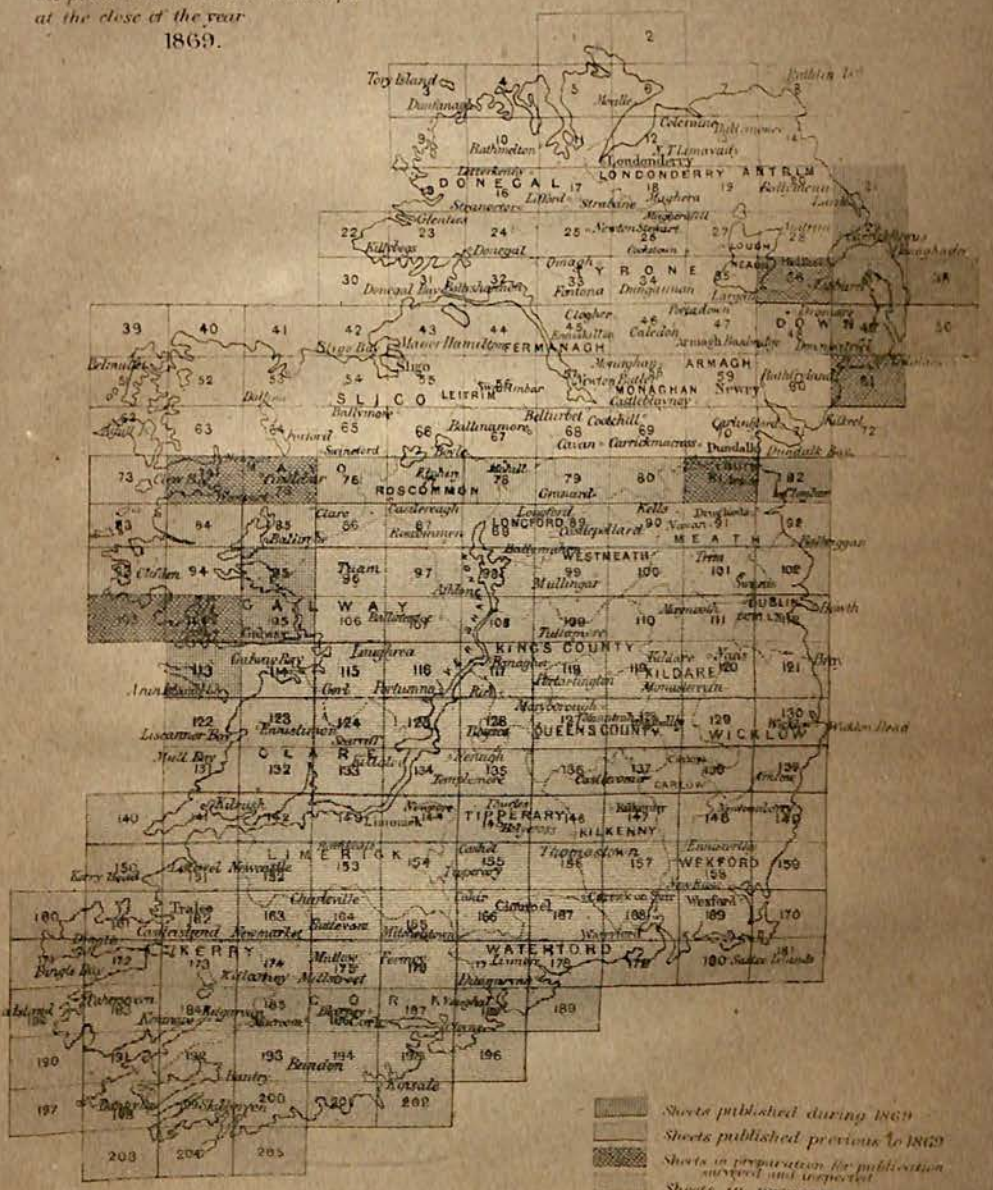

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shaded to show the state of the

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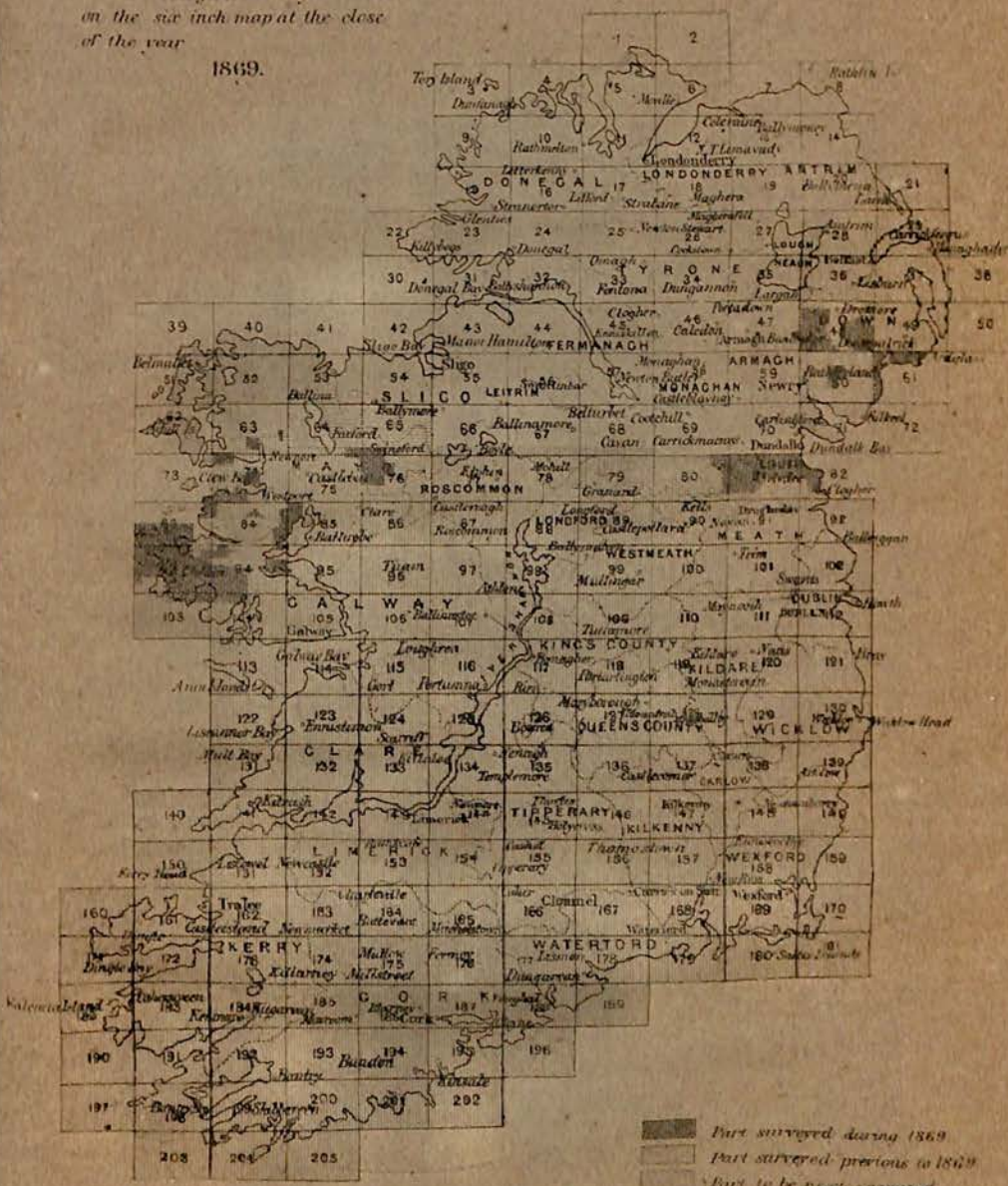

APPENDIX F.

REPORT on the CONDITION and PROGRESS of the EDINBURGH MUSEUM of SCIENCE and ART for 1869. Appendix F. REPORT BY PROF. ARCHER.

SIR,

DURING the past year the Edinburgh Museum of Science and Art has made considerable progress, and continued to grow in the estimation of the public, as will be seen by the following table, which gives the attendance of visitors for each month in the year, and indicates, by the division of day and evening visitors, that the open evenings are largely patronized by the working classes.

VISITORS to the MUSEUM during 1869. Visitors and fees.

Month.	Free.		Pay Days.	Total.	Admission Fees.		
	Days.	Evenings.			£	s.	d.
January - -	27,362	25,504	918	53,784	22	19	0
February - -	6,001	16,180	452	22,633	11	6	0
March - - -	6,664	16,021	511	23,196	12	15	6
April - - -	5,210	11,727	817	17,754	20	8	6
May - - -	7,881	10,059	753	18,693	18	16	6
June - - -	7,380	6,166	2,355	15,901	58	17	6
July - - -	19,196	9,201	2,345	30,742	58	12	6
August - - -	17,465	11,449	1,758	30,672	43	19	0
September - -	10,763	13,293	1,450	25,506	36	5	0
October - -	8,144	16,617	900	25,661	22	10	0
November - -	7,562	16,396	639	24,597	15	19	6
December - -	7,610	12,289	240	20,139	6	0	0
Total - -	131,238	164,902	13,138	309,278	328	9	0

Average attendance - - { pay days 87·6 / free days 1850·9

I am assured by many eminent men, whose occupations, professional, or otherwise, give them good opportunities for knowing it, that the beneficial effects of the Museum are plainly seen upon the general body of the working classes. Nor can it be otherwise, for Edinburgh is not visited by many strangers, except in the summer months, so that it is clear the inhabitants of the city form a very large majority of the numbers shown to attend, either for pleasure or instruction. The Museum is also much used by teachers who bring their classes for the purposes of tuition. Beneficial influence of Museum.

The lectures for artizans, which are now, for the third session, being delivered in the lecture hall of the Museum, were well attended in the session, 1868–69. The following courses were given:— Lectures for artizans.

1st. Professor Allman, F.R.S.—On the earth in relation to its organized inhabitants, being sketches of the geographical distribution of living beings.

2nd. Professor Archer, F.R.S.E.—On the vegetable and animal products used as food and in the arts.

3rd. Edward Sang, Esq., F.R.S.E.—On the inventive faculty, as illustrated by mechanical contrivance.

Appendix F.

REPORT BY PROF. ARCHER.

4th. Allan Dalzell, M.D., F.R.S.E.—On some of the results of molecular energy in an organized system.

5th. Professor Tait, M.A. (Cam.), F.R.S.E.—On the general laws of physics.

6th. Professor Turner, M.B., F.R.S.E.—On elementary anatomy and physiology.

In addition to these, a supplementary course of six lectures on botany was delivered by Professor Balfour at the request of a number of the artizans who attended the lectures.

The attendance at these several courses of lectures was as follows:—

1st course - - -	279
2nd course - - -	204
3rd course - - -	193
4th course - - -	245
5th course - - -	164
6th course - - -	173
Supplementary course - -	128
Total - -	1,386

These results will, I trust, be considered very satisfactory; but I feel confident they would be much more so if the fee of 1*s.* per head for each course was supplemented by a small pecuniary aid from the Government, so as to enable me to guarantee a uniform fee of 2*l.* 10*s.* per lecture, instead of 1*l.* 13*s.*, which was the average of the above series.

General work.

The general work of the Museum has in all respects progressed satisfactorily. Each year increases the experience which the permanent officers bring to bear upon their work, and continued improvements in the arrangement and display of the specimens is the consequence. All employed have zealously devoted themselves to the interests of the Museum, and a large amount of valuable work has been the result.

Much work has been done also in the making of permanent cases and getting the specimens under cover. The plan for furnishing the Natural History Department of the Museum, as designed by the late Captain Fowke, has been so nearly completed, that it is hoped the vote for the present year will enable me to finish it, and thus remove much anxiety for the zoological specimens, and allow me to proceed with the permanent fittings of the Art Department.

The routine office work of 1869 is as follows:—

Industrial Art Department.

Specimens registered - - - -	4,036
Do. labelled - - - - -	1,870
Descriptive labels written - - - -	1,052
Do. do. printed - - - -	832
Ordinary labels written - - -	861
Inventory titles prepared - - -	75
Catalogue titles prepared - - -	81
Specimens prepared - - - -	402

Natural History Department.

Specimens registered - - - -	757
Do. labelled - - - - -	8,444
Descriptive labels written - - -	1,856
Do. do. printed - - - -	2,345
Ordinary labels written - - -	6,614
Specimens prepared - - -	3,779

Natural History Department.

The Natural History Department has been greatly extended during the past year by the arrangement, in cases, of specimens hitherto stored away. I have so far arranged the extensive collection of minerals, as to make them fully available for the use of the public. The arrangement of the collection of reptiles, which commenced during the past year, has been completed, and the collection greatly extended by the addition of 150 named specimens of snakes, besides numerous other specimens. The collections of fishes and of invertebrate animals have also been arranged in permanent cases; and preparations have been made for the arrangement of an instructive series representing the classification and general history of insects, in which their metamorphoses and architectural habits, &c. will be shown.

The general collection of birds has received a valuable and important addition from Dr. James Hector, Director of the Government Survey of New Zealand, several of them being new to science.

The collection of shells has also been again much enriched by the liberality of Robert Macandrew, Esq., of Isleworth, who has added more than 60 species to the 1,200 previously given by him to this Museum.

Dr. Wright of Nepaul has also contributed about 300 species to the collection of insects, chiefly Lepidoptera, carefully collected and preserved by himself.

The collection of mammalia has this year, as on former occasions, been greatly indebted to Mr. Fairgrieve for valuable additions, either by gift or by purchase at low prices. He has made it a rule that all animals which die in his collection shall be first offered to this Museum, and, as he has more generally given than sold them, the Museum has profited much by his generosity.

Donations.

LIST of DONATIONS to the EDINBURGH MUSEUM of SCIENCE and ART, from the 1st January to the 31st December 1869.

Industrial Department.

Egyptian mummy, with its outer and inner coffins of sycamore wood.
Presented by His Royal Highness the Prince of Wales.

The original model of the Rev. Patrick Bell's reaping machine, constructed in 1826.
Presented by the Highland and Agricultural Society of Scotland.

Model of Milroy's patent excavating apparatus for taking out the foundations of bridges, &c.
Presented by Mr. John Milroy, C.E., Edinburgh.

Hygrometer, or dew-point instrument, invented by the late Professor Connell, St. Andrew's.
Presented by Mrs. Connell, Edinburgh.

Thermometer made by Dr. Joseph Black, Professor of Chemistry in Edinburgh University, 1766 to 1799.

Four early forms of oil lamps.
Presented by Professor Heddle, St. Andrews.

Dry gas meter made to show its internal construction.
Presented by Messrs. R. Laidlaw & Son, Edinburgh.

67 specimens illustrating the manufacture of Hobbs' patent locks, and 3 specimens of safe joints.
Presented by Messrs. Hobbs, Hart, & Co., 76, Cheapside, London.

Specimen of decomposing alum shale.
Presented by Professor Christison, Edinburgh.

Iron slag, containing titanium and separate crystals of titanium from an iron blast-furnace at Wigan.
Presented by Mr. Robert Wilson, Bridgewater Foundry, Manchester.

Appendix F.

REPORT BY PROF. ARCHER.

3 specimens of Laurentian dolomite, containing gold and auriferous quartz, from Canada West.

18 specimens of minerals, chiefly iron ores, from Canada.
Presented by Mr. T. C. Wallbridge, London.

9 minerals from the salt mine of Stassfurth, near Magdeburg.
Presented by Mr. R. Lomax, Berlin.

Specimen of soft red hæmatite, worked for use as a pigment at the Warton Mines, near Lancaster.
Presented by Mr. H. J. Walduck, Warton Mines, Lancaster.

8 specimens of serpentine from Portsoy.
Presented by Professor Heddle, St. Andrews.

2 specimens of minerals, containing phosphate of lime, from Monk's Island and William's Island.
Presented by Messrs. P. Lawson & Son, Edinburgh.

12 anthracitic diamonds from Brazil, used for dressing millstones.
Presented by Messrs. J. Herdman & Sons, Haymarket Mills, Edinburgh.

Indian betel cutter.
Presented by Major H. C. Johnston, Muree, Punjaub.

Recumbent figure of the Buddist Deity, Guadama, in alabaster, from Sagaing, near Ava.
Presented by Capt. Alex. Cook, H.M. Madras Staff Corps.

Teapot and 2 cups and saucers of fluted and gilt porcelain, made at Edinburgh about 1810.
Presented by Mr. John Veitch, 1, Catherine Place, Edinburgh.

Two Parian statuettes, "Night" and "Morning."
Presented by Messrs. W. T. Copeland & Sons, Stoke and London.

Jug of white biscuit porcelain, ornamented with raised flowers.
Presented by Mr. John Donald, Bristo Port, Edinburgh.

Specimens of Romano-British pottery.
Presented by the Museum of Practical Geology, through Mr. Trenham Reeks.

Shield, with illustrations from Paradise Lost. An electro-deposit. The original by M. Morel-Ladeuil. Messrs. Elkington & Co.
Presented by the Science and Art Department.

36 specimens illustrating processes in printing calico chiefly with aniline colours, including 3 pieces of engraved copper rollers.
Presented by Messrs. Walter Crum & Co., Thornliebank, near Glasgow.

Split palm leaves prepared for basket-making, from Madras.
Presented by Miss Mary Smith, Fillyside Cottage, Leith.

23 specimens of mattress and feather bed tickings.
Presented by the Edinburgh Blind Asylum through Mr. Martin.

Plate of whalebone, or baleen of the Greenland Whale.
Presented by Mr. William Wood, Leith.

12 specimens of goat's wool, chiefly from Cashmere.
Presented by Dr. Forbes Watson, India Museum, London.

Rhinoceros horn formed into a stick.
Presented by Mr. A. N. Irvine, 15, Chapel Street, Edinburgh.

Carved calabash and negro rattle from Brazil.
Presented by Donna Anna Simões, Lisbon.

Pair of ptarmigan, from Norway, for food collection.
Presented by Mr. C. E. Smith.

6 specimens of pressed herbs for pharmaceutical purposes.
Presented by Messrs. B. O. & G. C. Wilson, Boston, U.S.

Specimen of borax soap.
Presented by Professor T. Anderson, Glasgow.

29 small specimens of antique objects, chiefly medals and bronze fragments.
Presented by Mr. Albert Potocki, 504, New Oxford Street, London.

2 specimens of figured and printed Italian silks.
Presented by Mr. William Douglas, R.S.A., Edinburgh.

DONATIONS to the EDUCATIONAL COLLECTION.

2 school desks.
Presented by Mr. G. M. Hammer, London.
36 school books and pamphlets, 7 atlases, and 13 wall maps.
Presented by the Scottish School Book Association.

MODELS made in MUSEUM WORKSHOP.

Model of Thomson's rotary gas exhauster.
Model of furnace bench, with pots for desilverising lead.
Model of a Cornish steam boiler.
Model showing a section of a street well.
Model of a 2½ ton steam hammer.

SPECIMENS added to the EDINBURGH MUSEUM of SCIENCE and ART, INDUSTRIAL Purchases.
DEPARTMENT, by purchase, from the 1st January to the 31st December 1869.

Arms and Metal Work.

	£	s.	d.
1 old Spanish and 2 dress rapiers	7	6	0
Old wheel lock rifle; stock of inlaid ebony	12	10	0
Old wheel lock pistol; stock inlaid with ivory	8	8	0
Old wheel lock pistol	2	0	0
Chased iron flexible mace	7	15	0
2 tilting spears	3	3	0
Demi-suit of armour; time of Elizabeth	18	7	6
Demi-suit of armour; parcel gilt	6	10	0
Metal powder flask and 3 powder horns	1	6	0
Cut steel powder flask and winder	1	0	0
Persian matchlock, damascened with gold	10	0	0
Cossack's rifle; the stock with piqué work	2	5	0
Pair of Spanish flint pistols; chased steel	8	15	0
Old pistol, with chased silver mounts	2	5	0
Persian scimitar, with damascened blade	4	5	0
Spanish knife, damascened	1	0	0
Damascened battle axe, with chased handle. Indian	3	18	0
Wrought-iron bridle-bit. 15th century	2	0	0
Hanging lamp of embossed and perforated brass work, from a cathedral in Seville	28	7	0
Gilt and enamelled chalice. 14th century	4	10	0
Brass altar candlestick. 17th century	3	8	0
2 Chinese bronze vases	1	15	0
Parsee's lamp, Bidri ware plate, and small metal stand. Indian	4	18	0
Old Italian iron and Dutch money box	1	8	6
Old candlestick, with open iron-work	3	2	0
2 chased bosses; one of them enamelled	0	18	0
Small bronze belt, with inscription, from the Alhambra	3	0	0
Illustrations of the process of damascening with gold on steel, viz., paper weight, picture frame, and gold wire	20	0	0
Copper drinking flask and cup in repoussé	1	2	0
Leather case with scissors, knife, fork, &c.	0	16	0
8 specimens of electro-deposits in iron, steel, and copper	13	4	0

Pottery and Porcelain.

2 Roman earthenware lamps	0	8	0
8 small fragments of ancient pottery	1	8	0
Old majolica jug	2	4	0
6 specimens of Grès de Flandres and other old stoneware	7	18	0
Grès de Flandres jug and greybeard	4	16	0

Appendix F.

REPORT BY PROF. ARCHER.

	£	s.	d.
Persian ware bowl	3	5	0
Bust of Burns; Wedgwood ware	3	3	0
2 porcelain groups and Chinese figure	0	15	0
Porcelain vase, painted with asters, light blue ground, and gilt ornaments. Copeland & Sons	35	0	0
Pair of globular porcelain vases, painted with violets, and gilt ornaments. Copeland & Sons	17	13	0
Bernal vase in porcelain, painted with festoons of flowers. Copeland & Sons	12	5	0
Parian statuette of Egeria. Copeland & Sons	8	8	0
8 reproductions of Palissy ware. M. Pull, Paris	26	16	0
Porcelain cup and saucer; the body with translucent lines, and painted with flowers, &c. French	0	17	7
Panel of enamelled wall tiles, 7 feet by 4 feet. Rhodian style. Collinot & Co., Boulogne-sur-Seine	44	0	0
Glass and Enamels.			
2 specimens of old stained and painted glass in frames	4	10	0
Circular medallion pane of Venetian stained glass. 16th century	1	0	0
Drinking glass. Old Venetian	0	18	0
Engraved ruby glass vase, with metal mounts	2	12	0
Enamelled glass basin, Persian style. P. Brocard, Paris	16	0	0
Enamelled glass tazza, Persian style. P. Brocard, Paris	14	0	0
Enamelled glass lamp, Persian style. P. Procard, Paris	6	8	0
Old dish in Cloisonné enamel	1	18	0
Small circular enamel, German work. 15th century	8	0	0
2 small oval Battersea enamels	3	0	0
Small enamelled cup, imitation of Limoges	2	0	0
Furniture and Carvings.			
Old Scotch wardrobe	44	2	0
Gilt chair. Time of Charles II.	1	16	0
Old chest, with incised carving	6	0	0
Old trunk, with leather and iron mounts	3	0	0
Old Dutch money-box, with wrought-iron locks	5	10	0
Carved Scotch cabinet. 16th century	18	0	0
Casket, filled with old bone carvings of saints	6	5	0
Reproduction of a carved ivory tankard	2	16	0
Carved bas-relief in amber	5	10	0
Old bone carving of Madonna and saints, the frame of Tarsia work	6	5	0
2 miniature wood carvings, by Bovanigo	6	0	0
52 pieces of wood carvings from a convent near Lisbon	19	0	0
Boat and figures in carved ivory. Indian	5	0	0
Textile Specimens.			
A Cashmere shawl	35	0	0
Japanese military dress	3	3	0
White crape skirt embroidered with silver	0	15	0
Embroidered silk vest	0	12	0
Maltese lace pillow, with piece of lace in progress	4	5	0
Miscellaneous.			
Ancient rosary and cross, with silver skull	2	2	0
Old lute, inlaid with pearl and ivory	4	15	0
Old mandolin, inlaid with tortoiseshell	4	5	0
Small oblong box in Cuir bouilli	1	16	0
Chinese red lac stand and vases	0	17	0
2 Salagrama stones	0	9	0
Painted oval medallion; subject, the interior of a palace. Delhi work	3	0	0
Circular box of carved tortoiseshell	1	0	0

Appendix F.

REPORT BY PROF. ARCHER.

	£	s.	d.
Bracelet of white tortoiseshell. Indian - - - -	5	0	0
Stereotyped edition of Sallust, by William Ged, the inventor of the process - - - - - - -	0	12	6
Small oval plaque or brooch, with "pietra dura" work - -	3	0	0
30 specimens of flowers and fruit to an enlarged scale, modelled in papier maché - - - - - - -	40	0	0
Specimen of embossed leather. Portuguese - - -	1	0	0
5 wax models of fruits, &c. - - - - -	1	2	6

Loans.

LOANS to EDINBURGH MUSEUM of SCIENCE and ART in 1869.

Dr. Lyon Playfair, C.B., M.P. Pair of Prussian porcelain vases.

The Science and Art Department. 2 plaster casts of ancient Norwegian carved church doors. 2 designs, *Fra Angelico*, by C. W. Cope, R.A., and *W. Torell*, by R. Burchett, for mosaic pictures.

Mrs. Dick, 5, Chalmers Street, Edinburgh. Model of the Scott monument, executed by Mr. Kemp, architect of the monument.

Colonel C. Seton Guthrie, R.E., of Scotscalder. 63 specimens of oriental armour and arms. 8 oriental jewelled jades. 28 pieces of cut agate work: 24 cups and saucers, 2 jugs, and basin and cover. 7 works in silver repoussé.

William Douglas, Esq., R.S.A., Edinburgh. 3 Persian robes. 2 heralds' tabards. 1 Roumanian cap.

Gifts and Purchases for Natural History Collection.

NATURAL HISTORY DEPARTMENT.

DONATIONS during the year 1869.

No.	Specimens.	Donor.
18	Mammals and birds from Wombwell's menagerie.	A. Fairgrieve, Esq.
45	Snakes, crustaceans, and mollusks from N. Australia.	Dr. Rattray.
44	Birds' skins from New Zealand - -	Dr. James Hector.
1	Stuffed specimen of Eupodotis Edwardsii -	E. Jackson, Esq.
1	A grayling from the Clyde - -	Thos. Hall, Esq.
20	Specimens dredged from the Isthmus of Suez.	R. MacAndrew, Esq.
1	Specimen of Euplectella mirabilis - -	Dr. Francis Cadell.
2	Minerals from India - - -	Master Guthrie, of Scotscalder.
1	Grub of Acherontia atropos - -	David Drysdale, Esq.
1	Do. do. - -	Bryden Monteith, Esq.
1	Pelias berus from Arran - - -	Mr. J. Gibson.
1	Do. from Islay - - -	A. J. Elliot, Esq.
1	Chinese dog - - - -	Mr. G. Hoseason.
1	Piece of amber - - - -	Mr. P. Albert.
66	Species of shells - - - -	R. McAndrew, Esq.
3	Cirripedes from the bottom of a vessel -	Mr. Hill.
1	Nest of scorpions - - - -	Dr. A. Christison.
1	Piece of asbestos from Cairnie - -	Mr. Chas. Sharp.
2	Male and female greenshank - -	Prof. Christison.
200	Collection of reptiles, amphibians, and fishes	The family of the late Professor T. S. Traill, M.D.
300	Collection of lepidoptera from Nepaul -	Dr. Wright.
1	Wild cat from Banffshire - - -	Mr. Fordyce.
1	Alice shad, Alosa communis - -	Mr. W. B. McLauchlin.

Appendix F.

REPORT BY PROF. ARCHER.

SPECIMENS purchased during 1869.

	£	s.	d.
Skeleton and stuffed specimen of the giraffe	55	0	0
32 specimens of palæozoic fossils	19	15	0
2 dissecting models of insect and mollusk	20	0	0
Cast of a seal's skull	0	15	0
A stuffed emeu	3	0	0
A stuffed mouflon sheep	5	0	0
A stuffed llama	7	0	0
Pelvis of Megaceros hibernicus, or Irish elk	1	0	0
Tiger and lioness from Wombwell's menagerie	13	0	0
Earthworm, mudfish, &c., from the late Sir Emerson Tennent's collection	2	0	0
Collection of prepared larvæ, pupæ, and eggs of insects. 89 specimens	3	5	0
24 specimens of stuffed mammals	39	12	6
A Nyl Ghau, from Wombwell's menagerie	3	0	0

THOS. C. ARCHER, Director.

APPENDIX G.

Appendix G.

REPORT OF ROYAL COLLEGE OF SCIENCE FOR IRELAND.

1. REPORT of the COUNCIL of the ROYAL COLLEGE OF SCIENCE FOR IRELAND for the year 1869.

SIR,

I HAVE the honour to submit, on the part of the Council of the Royal College of Science for Ireland, for the consideration of the heads of the Science and Art Department, the following report of the educational proceedings of the College during the past year.

Attendance and progress of students.

The courses of systematic instruction have been carried on by the several professors in accordance with the provisions of the programme given in the last report. The attendance of the students was satisfactory, and their conduct good.

The several examinations for honours and class promotions were held at the close of the session 1868–69, and the awards of prizes then made by the Council were approved by my Lords. I beg leave to submit copies of the examination papers used on that occasion, and refer for statistical details of the results to the secretary's report.

The programme of arrangements for the session now current, 1869–70, was prepared by the Council, and having been approved by my Lords, was printed and circulated. This programme exhibits for the first time the arrangements for the complete three years' system of instruction to be given in the College of Science to candidates for diplomas, the courses of the third year being only now brought into full operation. A copy of the programme is herewith submitted. (Appendix A., page 486.)

Syllabuses of their respective courses were prepared by the professors, of which copies have already been submitted to my Lords, and been approved.

Library and Museum.

The arrangements for classifying and cataloguing the library and the museum collections have been proceeded with as far and as rapidly as the present imperfect accommodation admits. The Council hopes that means will be taken to have additional accommodation provided, as its want seriously interferes with the proper efficiency of the Institution.

The Council refers for information as to statistical and administrative details, to the report of the secretary which has been laid before it, and forwarded to the office of the Department.

Marks.

The Council had occasion to consider the arrangement of a system of marks upon which the calculation of the values of the answers at examination should be based, and having obtained information as to the standard adopted in London and elsewhere at similar examinations, agreed upon a plan which met the approval of my Lords, and has been since acted on.

Special diplomas.

Upon the application of Messrs. Allen and Stewart, who had been students in Chemistry of the Museum of Industry, before the new arrangements establishing this College had been framed, and who had since continued their scientific studies in this Institution, the Council decided, with the approval of my Lords, to confer on each of these gentlemen a special diploma in Chemistry, such diploma being the equivalent of the final certificates they should have received from the Museum of Industry at the termination of their three years' studies. This grace not being considered a precedent for conferring any such special diploma in future.

Appendix G.

REPORT OF ROYAL COLLEGE OF SCIENCE FOR IRELAND.

The Council have had under consideration the important question of whether the diplomas of this College should be conferred on persons who merely present themselves for examination, without any attendance on lectures in the College, or any formal evidence of education elsewhere being required. The Council find that this question has been raised, and is being considered by several of the most important educational institutions, universities, and others, and that it is materially involved in the question of university reforms with which Her Majesty's Government may be before long occupied. Under these circumstances the Council do not wish to prejudge or hastily decide for this College a question involving such weighty interests, and have postponed the subject for future consideration.

Increase of numbers, and progress of the College.

The Council have to report that the number of students attending the classes has materially increased, and there is every reason to expect that as the advantages of the system of technical education, which the Royal College of Science is founded to carry out, shall become more generally understood, the Institution will steadily progress in usefulness and popularity.

Signed on behalf of the Council.

ROBERT KANE,
Dean of Faculty.

Dated 21st January 1870.

APPENDIX A. (*referred to in Sir R. Kane's Report*).

PROGRAMME of the EDUCATIONAL ARRANGEMENTS for the SESSION 1869–70.

Dean of Faculty.

SIR ROBERT KANE, LL.D., F.R.S., M.R.I.A.

Professors.

Physics	WILLIAM BARKER, M.D., M.R.I.A.
Chemistry	WILLIAM K. SULLIVAN, Ph.D., V.P R.I.A.
Applied Chemistry	ROBERT GALLOWAY, F.C.S.
Geology	EDWARD HULL, F.R.S.
Applied Mathematics	ROBERT BALL, M.A.
Botany	WYVILLE THOMSON, LL.D.
Zoology	RAMSAY H. TRAQUAIR, M.D.
Agriculture	EDMUND W. DAVY, M.B., M.R.I.A.
Descriptive Geometry	THOMAS F. PIGOT.
Mining and Mineralogy	J. P. O'REILLY.

Librarian and Curator of Museum.

ALPHONSE GAGES, M.R.I.A.

Palæontological Demonstrator.

W. H. BAILY, F.L.S., F.G.S.

Assistant Chemist.

WILLIAM PLUNKETT, F.C.S.

Clerk.

GEORGE C. PENNY.

FREDERICK J. SIDNEY, LL.D., M.R.I.A.,
Secretary.

Appendix G.

REPORT BY SIR R. KANE.

PROGRAMME FOR THE SESSION 1869–70.

Programme of the course of instruction.

The Royal College of Science supplies, as far as practicable, a complete course of instruction in science applicable to the industrial arts, especially those which may be classed broadly under the heads of mining, agriculture, engineering, and manufactures, and is intended to aid in the instruction of teachers for the local schools of science.

Subjects of Instruction.

1. Applied Mathematics.
2. Descriptive Geometry, and Mechanical Drawing.
3. Mechanism.
4. Physics.
5. Chemistry, Theoretical and Practical.
6. Botany.
7. Zoology.
8. Geology and Palæontology.
9. Mineralogy.
10. Agricultural Science.
11. Mining.
12. Applied Chemistry, including Metallurgy.
13. Machinery.
14. Surveying.

Under Applied Mathematics is taken the application of Mathematics to those sciences which are generally included under the head of Mechanics, viz., Statics, Dynamics, Hydrostatics, and Hydrodynamics, as well as to some other branches of Physics.

Under Mechanism is treated only the relations of motion, or the study of machines merely as contrivances for changing one kind of motion into another, apart from any considerations of force.

Under Machinery is treated the application of Mechanics and Mechanism to machines used in the industrial arts.

Chemistry includes both lectures and laboratory practice.

The course of instruction extends over three years, each year being divided into two terms. In the first two years the instruction is general. In the last year it is specialized under the heads of Mining, Agriculture, Engineering, and Manufactures.

The scheme of instruction is the following:—

First year.

FIRST YEAR.

1st Term.	2nd Term.
Applied Mathematics.	Applied Mathematics.
Physics.	Physics.
Descriptive Geometry.	Botany.
Geometrical Drawing.	Descriptive Geometry.
	Geometrical Drawing.

Second year.

SECOND YEAR.

Applied Mathematics.	Applied Mathematics.
Chemistry (Theoretical).	Chemistry (Theoretical).
Chemistry (Practical).	Chemistry (Practical).
Mechanical Drawing.	Zoology.
	Mechanical Drawing.

Students entering for the associateship are expected to be acquainted with first two books of Euclid and the elementary rules of Algebra. Some familiarity with the use of the ordinary drawing instruments is very desirable.

In their first and second years they are required to attend all the courses in the subjects appointed for these years. In their third year

Appendix G. — Report of Royal College of Science for Ireland.

they are required to attend all those belonging to any one division, as follows :—

THIRD YEAR.

Division A.—*Mining.*

Third year. Mining.

Geology, with demonstrations in Palæontology.
Mineralogy and Mining.
Assaying and Metallurgy.
Mechanism and Machinery.
Land Surveying.

Students in this Division are required to attend the lectures of the Professor of Geology, with demonstrations in Palæontology; also those of the Professors of Mining and Mineralogy, of Mechanism, and of Land Surveying. The laboratory instruction will comprise a course of Assaying and Metallurgy.

Agriculture.

Division B.—*Agriculture.*

Geology.
Agricultural Science.
Land Surveying.
Mechanism and Machinery.
Analysis of Soils and Manures.

Students in this Division are required to attend the courses in Geology and Palæontology; also the course of the Professor of Agriculture. They likewise receive instruction in Mechanism and Machinery and in Land Surveying, and also laboratory instruction in the Analysis of Soils and Manures.

Engineering.

Division C.—*Engineering.*

Mechanism and Machinery.
Mechanical Drawing, Engineering, and Surveying.
Geology and Palæontology.

In this Division the students are required to attend the courses of the Professor of Applied Mathematics, and those of the Professor of Descriptive Geometry in Mechanical Drawing, Engineering, and Land Surveying, also that of the Professor of Geology, with demonstrations in Palæontology.

Manufactures.

Division D.—*Manufactures.*

Applied Mechanics, and Physics.
Applied Chemistry, and Technical Analysis.

Students in this division are required to attend the lectures of the Professor of Applied Mathematics. They are also required to attend the lectures of the Professor of Applied Chemistry, and to go through a further course of Practical Chemistry.

The Demonstrator in Palæontology gives instruction, during the second term of the session, to students of the third year. These demonstrations are also open to any student who is attending, or has during the preceding session attended, the lectures either of the Professor of Geology, of Zoology, or of Botany.

A diploma of associateship of the College will be given to students who pass in all the subjects of the first two years, and in those of any one division of the third year.

Students may also enter for the separate courses, and receive certificates after examination. A certificate of attendance in the chemical laboratory is not given for any course less than three months.

The course of instruction in this college is recognized by the Secretary of State for India as qualifying for appointments in the Engineering Department.

There are four Royal Scholarships of 50*l.* yearly each, with free education, tenable for two years; two will become vacant each year. They will be given to students who shall have been a year in the College.

There are also nine Royal Exhibitions attached to the College of 50*l.* each, tenable for three years. For the regulations affecting them, see page 8 of this Programme.

These Scholarships and Exhibitions are tenable only on the condition that the holders shall attend all the lectures of their respective years. This condition is strictly enforced by the Department. They must also pass the examinations at the end of the Session.

Students at the conclusion of their first academic year are examined in the subjects of that year. Prizes are awarded for superior answering in each branch. The award of the Royal Scholarships is made on the result of this examination, to those students, not Royal Exhibitioners, who on the whole have answered best, if sufficiently deserving to be recommended for them.

At the conclusion of the second year similar examinations are held and prizes awarded.

A medal is awarded at the conclusion of the second year to that student who, on the total results of both years, shall have most distinguished himself, if sufficient merit be shown.

At the conclusion of the third year similar examinations are held, and prizes awarded.

To candidates for the associateship whose knowledge of pure mathematics is not sufficiently advanced, the Professor of Applied Mathematics gives such instruction as is necessary. These lectures may also be attended by other students. Prizes will be awarded for proficiency at the end of the first and second years.

During the session short courses of evening lectures of a more popular character will be delivered, the particulars respecting which will be duly announced.

The Chemical and Metallurgical Laboratories, under the direction of Professor Galloway, are open every week day during the session (except Saturday, and the usual holidays) from 10 a.m. to 4 p.m.

The library contains carefully selected works relating to the subjects on which instruction is given; it is open to the students, and also to the public under certain restrictions.

The Museum is open to the public on week days from 11 a.m. to 4 p.m.

The session commences on the first Monday in October in each year, and lasts until 21st June following, with a vacation of ten days at Christmas, and of a week at Easter.

The first term commences on the first Monday in October, and the second term on the first Monday in February.

The examinations are held at the close of the Session.

The fees payable are,—

2*l.* for each separate course of lectures;

And for laboratory practice, 2*l.* per month, 5*l.* for three months, or 12*l.* for the entire session.

Students entering for the purpose of obtaining the diploma of associate, or intending to compete for the scholarships, pay 10*l.* each year, which will admit them to all the courses of that year, exclusive of laboratory—or 25*l.* for the whole studentship of three years.

The fees are in all cases payable in advance.

The holders of Royal Scholarships or Royal Exhibitions pay no fees.

Appendix G.

REPORT OF ROYAL COLLEGE OF SCIENCE FOR IRELAND.

Exhibitions and free admissions.

EXHIBITIONS AND FREE ADMISSIONS AT THE ROYAL COLLEGE OF SCIENCE FOR IRELAND.

Royal Exhibitions.

1. There are nine Royal Exhibitions of the value of 50*l.* per annum, entitling the holders to free admission to all the lectures, and to the Chemical and Metallurgical Laboratories, to be held from year to year for three years, on the condition that the holder attends the lectures regularly during those years, and passes the examinations required for the associateship of the college.

Three of the above Royal Exhibitions will be open for competition annually, at the May examinations of the Science and Art Department.

All persons over 21 years of age, excepting artizans and such as come within the category of persons paid upon under the Science Directory, will be excluded from competing for the Royal Exhibitions. Special cases, however, must be determined according to the spirit of the rules, and the object of the endowment.

The competition for the Royal Exhibitions will be determined by affixing the following values to the several results of the May examination (see Science Directory), viz. :—

For 3rd class in elementary stage - - -	1 mark.
For 2nd „ „ - -	3 „
For 1st „ „ - -	5 „
For 2nd class in advanced stage - -	5 „
If previously successful in elementary stage	7 „
For 1st class in advanced stage - -	7 „
If previously successful in elementary stage	9 „

and in addition to the first five candidates in the 1st class in advanced stage, 5, 4, 3, 2, and 1 marks, if more than 90 per cent. of marks have been obtained.

For honours—2nd class - -	14 marks.
„ 1st class - -	17 „

But no candidate will be allowed to take an exhibition who has not obtained at least a first class in the elementary paper in Elementary Mathematics.

Free Admissions.

2. Free admissions to the lectures at the Royal College of Science, Dublin, are granted to any person who takes a gold medal in the May examination.

Persons desirous of obtaining further information may apply to the secretary of the College.

Syllabuses of the several courses of instruction and programmes may be had on application at the College, or by letter to the secretary.

TIME TABLE FOR THE SESSION 1869–70.

NOTE.—*The Laboratory and Drawing School are open daily (except Saturday) from 10 a.m. to 4 p.m. for the use of the Students.*

FIRST YEAR. FIRST TERM.

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
10 to 11	Descriptive Geometry.		Descriptive Geometry.		Descriptive Geometry.	
11 „ 12	Drawing.		Drawing.		Drawing.	
12 „ 1		Drawing.		Drawing.		Drawing.
1 „ 2		Drawing.		Drawing.		Drawing.
2 „ 3	Applied Mathematics. (Statics.)	Pure Mathematics. (Geometry and Algebra.)	Applied Mathematics. (Statics.)	Pure Mathematics. (Geometry and Algebra.)	Applied Mathematics. (Statics.)	
3 „ 4		Physics. (Electricity and Magnetism.)		Physics. (Electricity and Magnetism.)		Physics. (Electricity and Magnetism.)

FIRST YEAR. SECOND TERM.

10 to 11	Descriptive Geometry.		Descriptive Geometry.		Descriptive Geometry.	Botanical Excursion occasionally (instead of the undermained Lectures).
11 „ 12	Drawing.		Drawing.		Drawing.	Botany. (Demonstration.)
12 „ 1		Drawing.		Drawing.		Drawing.
1 „ 2		Drawing.		Drawing.		Drawing.
2 „ 3	Applied Mathematics. (Dynamics and Hydrostatics.)	Pure Mathematics. (Trigonometry.)	Applied Mathematics. (Dynamics and Hydrostatics.)	Pure Mathematics. (Trigonometry.)	Applied Mathematics. (Dynamics and Hydrostatics.)	
3 „ 4	Botany.	Physics. (Heat, Light, and Sound.)	Botany.	Physics. (Heat, Light, and Sound.)	Botany.	Physics. (Heat, Light, and Sound.)

Second Year. First Term.

Hour.	Monday.	Tuesday.	Wednesday.	Thursday.	Friday.	Saturday.
10 to 11		Drawing.		Drawing.		Drawing.
11 „ 12	Chemistry.	Drawing.	Chemistry.	Drawing.	Chemistry.	Drawing.
12 „ 1	Applied Mathematics. (Statics and Dynamics, 2nd Part.)	Pure Mathematics. (Analytic Geometry and Calculus.)	Applied Mathematics. (Statics and Dynamics, 2nd Part.)	Pure Mathematics. (Analytic Geometry and Calculus.)	Applied Mathematics. (Statics and Dynamics, 2nd Part.)	Pure Mathematics. (Analytic Geometry and Calculus.)
1 „ 2	Laboratory.	Laboratory.	Laboratory.	Laboratory.	Laboratory.	
2 „ 3	Do.	Do.	Do.	Do.	Do.	
3 „ 4	Do.	Do.	Do.	Do.	Do.	

Second Year. Second Term.

10 to 11	Zoology.	Drawing.	Zoology.	Drawing.	Zoology.	Drawing.
11 „ 12	Chemistry.	Drawing.	Chemistry.	Drawing.	Chemistry.	Drawing.
12 „ 1	Applied Mathematics. (Elementary Mechanism and Machinery.)	Mathematics. (Advanced Class.)	Applied Mathematics. (Elementary Mechanism and Machinery.)	Mathematics. (Advanced Class.)	Applied Mathematics. (Elementary Mechanism & Machinery.)	Zoology. (Demonstration.)
1 „ 2	Laboratory.	Laboratory.	Laboratory.	Laboratory.	Laboratory.	Do.
2 „ 3	Do.	Do.	Do.	Do.	Do.	
3 „ 4	Do.	Do.	Do.	Do.	Do.	

THIRD YEAR. FIRST TERM. DIVISION A. (Mining.)

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
10 to 11	Applied Mathematics. (Mechanism and Machinery.)		Applied Mathematics. (Mechanism and Machinery.)		Applied Mathematics. (Mechanism and Machinery.)	
11 „ 12	Mineralogy.	Geology.	Mineralogy.	Geology.	Mineralogy.	Geology.
12 „ 1	Laboratory. (Metallurgy and Assaying.)	Laboratory. (Metallurgy and Assaying.)	Laboratory. (Metallurgy and Assaying.)	Laboratory. (Metallurgy and Assaying.)	Laboratory. (Metallurgy and Assaying.)	
1 „ 2	Do.	Do.	Do.	Do.	Do.	
2 „ 3	Do.	Do.	Do.	Do.	Do.	
3 „ 4	Do.	Do.	Do.	Do.	Do.	

THIRD YEAR. SECOND TERM. DIVISION A. (Mining.)

10 to 11		Applied Mathematics (Heat and Steam.)		Applied Mathematics (Heat and Steam.)		Field Work. (Surveying, or Geological Excursion.)
11 „ 12	Mining.	Geology. (Palæontological Demonstration.)	Mining.	Geology. (Palæontological Demonstration.)	Mining.	Geology. (Palæontological Demonstration.)
12 „ 1	Laboratory. (Metallurgy and Assaying.)	Surveying and Plotting.	Laboratory. (Metallurgy and Assaying.)	Surveying and Plotting.	Laboratory. (Metallurgy and Assaying.)	Surveying and Plotting.
1 „ 2	Do.	Do.	Do.	Do.	Do.	Do.
2 „ 3	Do.	Laboratory. (Metallurgy and Assaying.)	Do.	Laboratory. (Metallurgy and Assaying.)	Do.	
3 „ 4	Do.	Do.	Do.	Do.	Do.	

If no Field-work.

THIRD YEAR. FIRST TERM. DIVISION B. (Agriculture.)

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
10 to 11	Applied Mathematics. (Mechanism and Machinery.)		Applied Mathematics. (Mechanism and Machinery.)		Applied Mathematics. (Mechanism and Machinery.)	
11 „ 12		Geology.		Geology.		Geology.
12 „ 1	Agriculture.		Agriculture.		Agriculture.	
1 „ 2	Laboratory. (Soils and Manures.)	Laboratory. (Soils and Manures.)	Laboratory (Soils and Manures.)	Laboratory. (Soils and Manures.)	Laboratory. (Soils and Manures.)	
2 „ 3	Do.	Do.	Do.	Do.	Do.	
3 „ 4	Do.	Do.	Do.	Do.	Do.	

THIRD YEAR. SECOND TERM. DIVISION B. (Agriculture.)

10 to 11		Applied Mathematics (Heat and Steam.)		Applied Mathematics (Heat and Steam.)		Field Work. (Surveying, or Geological Excursion.)
11 „ 12						
12 „ 1	Agriculture.	Land Surveying and Plotting.	Agriculture.	Land Surveying and Plotting.	Agriculture.	Land Surveying and Plotting (if no Field Work).
1 „ 2		Do.		Do.		Do.
2 „ 3						
3 „ 4						

THIRD YEAR. FIRST TERM. DIVISION C. (*Engineering.*)

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
10 to 11	Applied Mathematics. (Mechanism and Machinery.)	Applied Mathematics (Structures, &c.)	Applied Mathematics. (Mechanism and Machinery.)	Applied Mathematics (Structures, &c.)	Applied Mathematics. (Mechanism and Machinery.)	
11 „ 12		Geology.		Geology.		Geology.
12 „ 1	Mechanical and Engineering Drawing.	Engineering.	Mechanical and Engineering Drawing.	Engineering.	Mechanical and Engineering Drawing.	Engineering.
1 „ 2	Do.		Do.		Do.	
2 „ 3						
3 „ 4						

THIRD YEAR. SECOND TERM. DIVISION C. (Engineering.)

10 to 11	Applied Mathematics. (Hydraulics.)	Applied Mathematics (Heat and Steam.)	Applied Mathematics. (Hydraulics.)	Applied Mathematics (Heat and Steam.)	Applied Mathematics. (Hydraulics.)	Field Work. (Surveying, or Geological Excursion.)
11 „ 12		Geology. (Palæontological Demonstration.)		Geology. (Palæontological Demonstration.)		Geology. (Palæontological Demonstration.)
12 „ 1	Mechanical and Engineering Drawing.	Surveying and Plotting.	Mechanical and Engineering Drawing.	Surveying and Plotting.	Mechanical and Engineering Drawing.	Surveying and Plotting.
1 „ 2	Do.	Do.	Do.	Do.	Do.	Do.
2 „ 3						
3 „ 4						

If no Field Work.

THIRD YEAR. FIRST TERM. DIVISION D. (Manufacture.)

HOUR.	MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.
10 to 11	Applied Mathematics. (Mechanism and Machinery.)		Applied Mathematics. (Mechanism and Machinery.)		Applied Mathematics. (Mechanism and Machinery.)	
11 „ 12	Laboratory.	Laboratory.	Laboratory.	Laboratory.	Laboratory.	
12 „ 1	Do.	Laboratory. (Applied Chemistry.)	Do.	Laboratory. (Applied Chemistry.)	Do.	
1 „ 2	Do.	Laboratory.	Do.	Laboratory.	Do.	
2 „ 3	Do.	Do.	Do.	Do.	Do.	
3 „ 4	Do.	Do.	Do.	Do.	Do.	

THIRD YEAR. SECOND TERM. DIVISION D. (Manufactures.)

10 to 11		Applied Mathematics (Heat and Steam).		Applied Mathematics (Heat and Steam.)		
11 „ 12	Laboratory.	Laboratory.	Laboratory.	Laboratory.	Laboratory.	
12 „ 1	Do.	Laboratory. (Applied Chemistry.)	Do.	Laboratory. (Applied Chemistry.)	Do.	
1 „ 2	Do.	Do.	Do.	Do.	Do.	
2 „ 3	Do.	Do.	Do.	Do.	Do.	
3 „ 4	Do.	Do.	Do.	Do.	Do.	

2. REPORT of the SECRETARY of the ROYAL COLLEGE of SCIENCE for IRELAND, STEPHEN'S GREEN, DUBLIN, for the Year 1869. Appendix G. REPORT BY DR. SIDNEY.

SIR,

I HAVE the honour to send you my report on the statistics and administration of this college for the year 1869.

SESSION 1868-69.

During the session ending in June 1869, the following courses of lectures were given :— Lectures.

58	Lectures	in Pure Mathematics, (1st year's class.)	by Prof. Ball,	attended by 8	students.
57	„	Do. (2nd year's class)	„	6	„
91	„	Applied Mathematics (1st year's class.)	„	9	„
91	„	Do. (2nd year's class)	„	6	„
75	„	Descriptive Geometry,	Prof. Pigot	8	„
163	„	Geometrical Drawing (1st year's class.)	„	8	„
163	„	Mechanical Drawing (2nd year's class.)	„	6	„
70	„	Experimental Physics,	Prof. Barker	8	„
30	„	Botany - -	Prof. Thomson	8	„
69	„	Zoology - -	Prof. Traquair	8	„
75	„	Chemistry (theoretical)	Prof. Sullivan	8	„
151	„	Chemistry (practical)	Prof. Galloway	16	„
7	„	Mineralogy - -	Prof. O'Reilly	1	„
25	„	Demonstrations in Palæontology -	Mr. Baily	3	„

The total number of distinct individuals attending those lectures was 32, of whom 13 were Associate students, prosecuting the full three years course with a view to obtaining the diploma of Associate. Number of students.

The evening course of 25 Laboratory demonstrations in Practical Chemistry, which are more specially intended for artizans and others occupied during the day were attended by 36 students.

The number of candidates attending the Sessional Examinations in June 1869, was as follows. All passed with the exception of two, who, however, passed supplemental examinations in October. Results of examinations.

	Number Attending.		
Pure Mathematics (1st year) -	2	1st Prize,	Philips, T. Wishart.
Ditto (2nd year) - - - -	1	1st „	Hunt, William.
Applied Mathematics (1st year) -	8	1st „	McIntosh, Alexander.
		2nd „	Sinclair, Hill.
Ditto (2nd year) - - -	7	1st „	Hunt, William.
		2nd „	Kilroe, James R.
Drawing (1st year) - - -	7	1st „	Sinclair, Hill.
		2nd „	McIntosh, A. } equal
			Munro, John }
Ditto (2nd year) - - - -	7	1st „	Hunt, William.
		2nd „	Kilroe, James R.
Experimental Physics - - -	6	1st „	Philips, T. W. } equal
			McIntosh, A. }
		2nd „	Munro, John.

Appendix G.

REPORT OF ROYAL COLLEGE OF SCIENCE FOR IRELAND.

	Number Attending.		
Chemistry, Theoretical and Practical.	7	1st Prize	McAllan, John.
		2nd „	Stewart, Charles G.
		3rd „	Abraham, Phineas
Botany	7	2nd „	McIntosh, Alexander.
		3rd „	Mackintosh, Henry.
Zoology	7	1st „	Abraham, Phineas.
		2nd „	Hunt, William.

Exhibitions and other awards to students.

The Royal exhibitions were awarded to John Munro and Thomas Drake.

The silver medal for best answering on the whole of the two years course was awarded to William Hunt.

Special diplomas of Associate in the Department of Chemistry were awarded to John McAllan and Charles G. Stewart.

In the month of May the Annual Science examinations of the Department were held in the College. Twenty-four candidates entered; most of them in several subjects. Of the 24, six were candidates for Whitworth scholarships. T. Wishart Philips, a student in this College, was successful in obtaining one of them. This was the only Whitworth scholarship obtained in Ireland, although several candidates from the universities and other educational institutions competed.

Evening lectures.

As mentioned in my last report, short evening courses of six lectures at the nominal fee of 6*d.* were voluntarily given by the professors for the benefit of the working classes. Besides those given by the Dean of Faculty and Professor Barker, the particulars of which were given in my last report, the following courses were given from 1st January up to the close of the session :—

Agriculture -	by Professor Davy,	for which	65 tickets were sold.
Mechanism and Machinery -	by Professor Ball	„ 283	„
Zoology - -	by Prof. Traquair	„ 113	„
Mining - -	by Prof. O'Reilly	„ 48	„
Botany - -	by Prof. Thomson	„ 39	„

Including the courses given by the Dean of Faculty and Professor Barker, the total number of 6*d.* tickets sold was 969.

The usual annual course of lectures on English literature, under the direction of a special committee, were given in April and May. Seven lectures were given, with an average attendance on each lecture of 185. A lecture was also given on Irish History, attended by 120 persons.

SESSION 1869–70.

Statistics.

The statistics for the session 1869–70, can of course only be given up to 31st December 1869. Several of the courses have not yet commenced. The return of students registering after 31st December will be given in next year's report.

The number of students registered up to that date is as follows :—

FIRST YEAR'S CLASSES.

Pure Mathematics - - -	7
Applied ditto - - -	7
Drawing - - - -	8
Experimental Physics - - -	9
Botany - - - - -	7

SECOND YEAR'S CLASSES.

Pure Mathematics - - -	6
Applied ditto - - -	6
Mechanical Drawing - - -	6
Chemistry (Theoretical) - -	7
Chemistry (Practical) - - -	12
Zoology - - - -	6

THIRD YEAR'S CLASSES.

Pure Mathematics - - -	6
Applied ditto - - - -	6
Drawing - - - -	4
Surveying and Engineering - -	6
Mining - - - - -	2
Mineralogy - - - -	2
Chemistry (Practical) - - -	2
Agriculture - - - -	1
Geology - - - -	6

The total number of distinct individuals is 28, of whom 17 are Associate students. At the corresponding period last year, the total number of registered day students, Associate and occasional, was only 18. The increase is therefore 50 per cent.

Professor Hull's Introductory Lecture on Geology, which was open to the public, was attended by 110 persons.

An evening course of six lectures in Agriculture by Professor Davy was attended by 63 persons.

During the year the Museum was visited by 6,901 persons.

The number of volumes added to the Library in 1869 was 177, besides the scientific periodicals and parts in continuation of works in the Library.

ADMINISTRATION.

Under this head I have not much to report.

New rooms. With the exception of two small rooms for storing apparatus, which have been erected at the back of the Lecture Theatre, no new works have been carried on during the year, owing to no vote for this purpose having been taken in the estimates for 1869–70. Consequently several of the professors still remain unprovided with class rooms. However I believe this will be provided for in the estimates for the coming year.

A house in Hume Street has been lately taken for the offices of the Geological Survey, and as soon as the necessary alterations and repairs (which are about being commenced) are effected, the survey offices will be removed there, and the rooms at present occupied by them will become available for College purposes.

Apparatus. The "Apparatus Minute," referred to in my report for last year, is now about being carried into full operation. This has been delayed hitherto, partly, owing to the want of suitable cases for the reception of the apparatus. All the apparatus and specimens hitherto in the hands of the professors have been recently transferred into the charge of the Curator, Mr. Gages, who is now responsible for their proper custody. He is at present engaged in making an inventory of them. He can scarcely, however, make much satisfactory progress in their arrangement,

Appendix G.

REPORT OF ROYAL COLLEGE OF SCIENCE FOR IRELAND.

until the additional cases required for that purpose in the Museum have been provided. I believe the amount required for this purpose will be taken in the estimates for the financial year 1870–71.

The foregoing remarks do not apply to articles of a perishable nature requiring to be constantly renewed, such as chemical re-agents, glass articles, &c., which remain as heretofore in the charge of the professors. Neither do they relate to the apparatus and other articles in use in the Chemical Laboratory, which also remain as before in the immediate charge of the professor, but a correct inventory of all apparatus in the Laboratory has been taken by Mr. Gages.

I regret to say that during the past year we have been deprived by death of our distinguished Professor of Geology, J. Beete Jukes, F.R.S. The vacancy thus caused has been since filled up by the appointment of Edward Hull, Esq., F.R.S., who has also succeeded Mr. Jukes as Director of the Irish Geological Survey.

The Chair of Botany has also lately become vacant by the resignation of Professor Wyville Thomson. His successor has not as yet been appointed.

FREDK. J. SIDNEY, LL.D.,
Secretary.

Dated 15th January 1870.

To the Secretary,
Science and Art Department,
South Kensington, London.

APPENDIX H.

Appendix H.

REPORT OF ROYAL DUBLIN SOCIETY.

ANNUAL REPORT of the ROYAL DUBLIN SOCIETY for the Year 1869.

To the Lords of the Committee of Privy Council on Education.

Number of members.

DURING the year 1869 seventy members were elected into the Society, which, on the 31st December, was constituted as follows :—

Corporate Members, Life	-	860
" Annual	-	394
Total	-	1,254
Honorary Members	-	35
Corresponding Members	-	25
Agricultural Associates	-	32

EXAMINATIONS FOR CERTIFICATES of MERIT.

Examinations.

The thirteenth annual examination for certificates of merit and for prizes was held on the evenings of the week commencing Monday, 17th May 1869.

Sixty-three persons applied to be examined, of whom fifty-four presented themselves at the examination.

Twenty-eight candidates obtained general certificates, and five commercial certificates.

EVENING MEETINGS.

Evening meetings.

Eight meetings for the discussion of subjects connected with applied Science and Art were held as usual on the third Monday of each month during the session. The meetings were attended by 777 persons (exclusive of members of the Society), averaging 96 at each meeting.

The more important communications were published in the Society's Journal.

LECTURES.

Lectures.

The Committee of Practical Science having, with the sanction of the council, arranged for the delivery of a series of afternoon scientific lectures by gentlemen eminent in each branch of Science, were fortunate in obtaining for this object the co-operation of several gentlemen, who in the kindest manner undertook this important duty.

In accordance with the arrangement made previously, a lecture was delivered at 4 o'clock in the afternoon each Saturday, the first of which took place on 20th March, the last on 23rd May.

Admission to the series was by tickets, by the sale of which, a sufficient sum was realized to cover the expenses of the lectures.

The following are the names of the lecturers, and the subjects upon which each lectured :—

Rev. J. A. Galbraith, F.T.C.D.—On the Metric System of Weights and Measures.

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REPORT OF ROYAL DUBLIN SOCIETY.

Edward D. Mapother, M.D.—On the Wonders of the Blood, and its Circulation.
G. Johnstone Stoney, A.M., F.R.S.—On Meteoric Showers.
Wyville Thompson, LL.D., F.R.S.E.—On the depths of the Sea.
Robert S. Ball, A.M.—On Nebulæ.
Dr. Alexander Macalister.—On the law of Symmetry as manifested in Animal forms.
J. Purser, A.M.—On recent researches in Sound.
E. Percival Wright, M.D.—On the Palm Trees of the Old World.
W. Barker, M.D.—On Physical Forces dependent upon change of Molecular condition.
Dr. J. Emerson Reynolds.—On Hydrogen as a Gas and as a Metal.
Howard Grubb, C.E.—On the Great Melbourne Telescope.

Attendance at lectures.

The attendance at the lectures numbered 3,714, giving an average of 337 persons present at each lecture.

The substance of several of the lectures has been already published, and the whole will appear in the Society's Journal.

SILK-WORM EXPERIMENTS.

Silk-worm experiments.

The experiment of cultivating the oak-feeding silk-worm of Japan (Antheræa Yama-mai) was repeated this year.

Several thousand eggs of the insect were obtained from France, and from Dr. Wallace of Colchester.

As soon as the eggs were hatched, half of the number of caterpillars was placed on oaks in the Botanic Garden, carefully covered with muslin bags to protect them from the attacks of birds; the other half, similarly protected, was placed under the care of the gardener, at Mucruss Demesne, Killarney, by the kind permission of Colonel Herbert.

The result of both experiments was unfortunately wholly unsuccessful; almost all the caterpillars having died before they commenced to spin.

BOTANIC GARDEN.

Glasnevin Botanic Garden.

Conservatories and Buildings.—The important work of doubling the curvilinear range of conservatories was completed early in October last; an alteration which, whilst it adds greatly to the beauty of the houses, extends considerably the space for plants, and contributes materially to the convenience of visitors. A small fern-house, the removal of which the former work rendered inevitable, is at present in course of erection.

The new apartments for the assistants, the office for the foreman of the grounds, the seed loft and tool-house have been also finished.

The conversion of the old lecture-room into a waiting room, a garden library, and director's office is now being effected, a work which it is expected will be completed before the end of March.

Tropical and Sub-Tropical plants.—Of those a large number, many very rare, were obtained by the director in the course of his tour to England and the Continent last summer, have been added to the collection.

It is worthy of remark that a mango tree (*Mangifera Indica*) ripened its fruit this year in the Garden; about 12 fruits of average quality were produced.

Hardy Plants.—The numerous specimens which were killed by the drought of the summer of 1868, have been replaced by others, and several additions have been made to the collection by exchanges, donations, and purchases.

Experimental Ground.—The experiment of growing an extra crop of Kohl-Rabi amongst a regular crop of mangold-wurtzel has been again tried with success. Some of the cereals from Natal were again sown in the past year. They presented the same peculiarity which was referred to in the last annual report, namely, that they all ripened their seed much earlier than the native crops, though both were sown at the same time. The several kinds, however, appear to be inferior to those usully cultivated in this country.

Exchanges and donations.

Exchanges and Donations have been numerous. In this way some rare and valuable acquisitions have been secured for the Garden. Contributions have thus been sent from the Botanic Gardens at Herrenhausen by Herr Wendland, and from the Botanic Garden at Berlin, by Inspector Bouche; Mons. Van Houtte sent a considerable donation of plants from his establishment at Ghent; Dr. Hooker and Mr. Smith have sent many rare and valuable plants from the Royal Gardens at Kew. In addition to these, important donations both of plants and seeds have been received from the following gentlemen, principal officers of the Botanic Gardens in their respective localitions, viz.:—C. Moore, Esq., seeds from Lord Howe's Island off the coast of New South Wales; Dr. Martins, Montpelier; D. Calmiero, Madrid; Dr. Caspary, Konigsburg; Signor Todaro, Palermo; M. Ortgies, Munich; J. Niven, Hull; also from the Rev. Hugh Ellicombe, Bittbn Rectory, Bristol; the Messrs. Veitch, Chelsea; Captain Henderson, A.D.C., Madras, and C. W. Hamilton, Esq., Dunboyne.

Botanical Museum.

The Botanical Museum continues, notwithstanding the objectionable structure in which the species are displayed, to attract much attention from visitors.

It is greatly to be regretted that a suitable building for which the sum of 3,000*l.* was voted by Parliament in three successive years, but subsequently withdrawn, has not been erected.

Supplies of plants and flowers have been furnished for the purposes of instruction to the Royal College of Science, Queen's College, Galway, and to several of the medical schools in Dublin. Plants and flowers have been sent almost daily to the Society for the use of the students of the School of Art.

Visitors.

Visitors.—The Gardens were open to the public every day during the year. The following is the return of the attendance:—

On week-days - - -	50,936
On Sundays - - -	172,600
Total - -	223,536

Museum of Natural History.

Natural History Museum.

Geological and Palæontological Division.—The glazed cases required in the lower hall of the Museum having been supplied, the arrangement of the specimens intended to be placed therein was commenced.

The small fossils have been arranged according to their Palæontological succession in the table cases; one side being devoted to the British, the other to the foreign specimens. The larger specimens, such as the Saurians from Leicestershire, and the casts of fossils from the Siwalik Hills, India, have been displayed in the wall-cases. Most of the specimens have been remounted and named according to the most recent investigations.

In the course of the summer, the Keeper of the minerals succeeded in obtaining a complete set of the Basaltic Columns of the Giants' Causeway, consisting of a central pillar with six surrounding jointed ones. Photographs were at the same time taken on the spot of portions of this remarkable formation.

Appendix H.

REPORT OF ROYAL DUBLIN SOCIETY.

Mineralogical Collection.—In consequence of the adoption of a new system of classifying minerals, some changes in the arrangement of the minerals were necessary. To effect this in a satisfactory manner, a classification in accordance with modern chemical views has been drawn up, and in the completion of the details, it is proposed to issue a guide to the collection, which will enable students to avail themselves more fully than heretofore of the advantages offered by the Society's extensive collection.

Zoological Collection.—The large collection of skins of birds has been arranged and named, and now occupies 120 drawers in the cabinet cases in the upper room, where the specimens are easily accessible for reference. Characteristic specimens are being mounted with a view to their incorporation with the general collection.

Additions by purchase and gift.

A portion of the sum voted for exploring the native fauna, has this year been expended in dredging and collecting specimens off the coast of Connemara, by which a large collection, principally of the lower forms of marine animals, has been obtained.

In addition to these, two specimens of the common seal were obtained. A fine adult male of the Great Grey Seal (*Halichærus Grypus*), from the same locality, was purchased for the Museum.

Considerable additions have been made to the Entomological Collection, principally in Coleoptera and Lepidoptera, several having been obtained by exchanges with private collectors.

Mr. Kirby, one of the assistants in the Museum, having in the course of the year visited the Continent during his vacation, took the opportunity of making a collection of insects, by which upwards of 100 specimens, not previously in the collection, have been added to the Museum.

In addition to the purchase of a large collection of Echinodermata from Professor E. P. Wright, the Society has been favoured with donations from Professor Wright, of Echinodermata, collected by himself, in Ireland, Sicily, and the Seyschelles Islands; from Sir Leopold McClintock, two specimens of the rare Petrel (*Pterodroma caribbæa*), from Jamaica; from Lord Clermont, the American bittern (*Botaurus antiginosus*), shot in the county Louth; from A. McDonnell, Esq., skins of birds shot at the mouth of the Danube; from Dr. A. Leith Adams, skulls of mammalia from Canada; from Dr. Robert Battersby, a number of shells from North America, and various specimens from the South of France; from W. Andrews, Esq., a specimen of the black fish (*Centrolophus*) from the coast of Kerry; also nestlings of the Gannet and Stormy Petrel; and from Edward Waller, Esq., specimens of rare British shells.

The Society is indebted to H.R.H. the Prince of Wales for an Egyptian mummy and sarcophagus.

The Museum has been open to the public during the year, with exception of the month of January, when it was in the hands of painters; it has also been open to the public on each Wednesday evening, on which occasions the attendance has progressively and rapidly increased, so that lately the visitors amounted to above 1,000 persons.

Proposed to open Museum in evenings.

The interest evinced by the public in this department being thus so evidently shown, the Council have it in contemplation to open the Museum on two nights in the week, as soon as they shall be apprised that funds to meet the additional expense will be provided.

Number of visitors.

The number of persons who attended the Museum during the year is as follows:—

Day attendance - - -	12,912
Evening attendance - -	19,003
Total - -	31,915

LIBRARY.

Library.

During the year 1869 the Library was open to the public on 293 days, namely, from 11 o'clock a.m. to 6 o'clock p.m. up to the 29th November, since which day it has been open continuously on each week-day from 10 o'clock a.m. to 10 o'clock p.m. The appointment of an assistant librarian has enabled the Society to carry out the latter-named desirable arrangement.

Number of readers.

The number of introduced readers during the daytime was—

		Daily average.
On 293 days - - -	12,822	44
The same on 238 evenings -	5,553	23
	18,375	67
Number in 1868 - - - -	14,151	50
Increase in 1869 - - -	4,224	17

No separate return was kept of the number of ladies who availed themselves of the reading room specially provided for their accommodation, but means have been taken to secure for the future a separate return of their attendance.

The donations to the library have been numerous and valuable; a list of which is published in the Society's Journal.

AGRICULTURAL DEPARTMENT.

Agricultural Department.

The Society held during the year four agricultural exhibitions—1st, the spring show of breeding stock and poultry; 2nd, a show of horses in the month of August; 3rd, a show of sheep in September; and 4th, the show of fat cattle, farm and dairy produce, and poultry, in December.

Spring Cattle Show.

Shows.

This important exhibition was held on Tuesday, the 13th April, and three following days.

The show was attended by His Excellency the Lord Lieutenant and the Countess Spencer, also by His Royal Highness Prince Arthur.

The attendance at the show, exclusive of the members and the herds, numbered 9,152.

The following table exhibits the principal details of the exhibition.

Description.	Entries.	Money.	Medals.	Certificates.
		£ s. d.		
Bulls - - - -	194	88 0 0	22	—
Cows and heifers - -	75	70 0 0	21	—
Fat stock - - - -	44	15 0 0	24	—
Sheep (lots) - - -	7	—	4	—
Swine (lots) - - -	34	30 0 0	21	—
Poultry (lots) - - -	297	78 0 0	—	—
Implements and machinery (lots) - - - -	42	—	—	—
Total - - -	693	281 0 0	92	—

Appendix H.

REPORT OF ROYAL DUBLIN SOCIETY.

I. The Towneley or Irish Farmers' Gazette Plate, value 155*l.*, was awarded in 1869, to Richard Chaloner, J.P., Kingsfort, Moynalty, for his short-horned bull "Sovereign," No. 151.

II. Irish Railway Challenge Cup, value 150*l.*, was awarded in 1869 to Richard Chaloner, J.P., Kingsfort, Moynalty, for his short-horned bull "Sovereign," No. 151.

National Horse Show.

This exhibition was held on the 10th, 12th, and 13th August, on which occasion the large number of 452 animals was entered for competition, all of them of more or less merit, and many possessing the highest qualities and breeding.

The show was attended on two several days by his Excellency the Lord Lieutenant who was himself not only a successful competitor in three instances, but evinced the deep interest he felt in the exhibition by his offer of a silver cup for competition in the Hunters' class.

The Council have much gratification in stating that his Excellency generously surrendered the prizes awarded to him, in favour of the winners of the second prizes in the respective classes.

The Royal Agricultural Society of Ireland also offered a challenge cup to be competed for by exhibitors of agricultural horses.

In order to protect the Society from any pecuniary loss that might arise from the undertaking, the Council solicited subscriptions in aid from the public, and they have the pleasure to report that so large a sum as 700*l.* was cheerfully contributed for this object.

The principal features of the show are set out in the following table :—

Description.	Entries.	Money.	Medals.	Certificates.
		£ s. d.		
Sires - - - -	33	137 10 0	—	—
Hunters - - - -	281	239 10 0	—	—
Ladies' and park horses -	26	24 0 0	—	—
Cobs and roadsters - -	37	54 0 0	—	—
Officers' chargers - -	2	15 0 0	—	—
Horses calculated for troopers.	—	—	—	—
Ponies - - - -	30	24 0 0	—	—
Brood mares - - -	30	70 0 0	—	—
Agricultural horses - -	13	30 0 0	—	—
Implements (lots) - -	29	—	—	—
Total - - -	481	594 0 0	—	—

The show was attended by 10,529 persons, exclusive of the members of the Society, exhibitors, grooms, and others in charge of the animals exhibited.

Sheep Show.

This show was held on the 8th, 9th, and 10th September, and although it comprised numerous animals of the finest description, it failed to interest the public, and consequently caused a considerable pecuniary loss to the Society.

The chief particulars of the show are set forth in the following table:—

Description.	Entries.	Money.	Medals.	Certificates.
		£ s. d.		
Rams (single and lots) -	114	174 0 0	14	—
Ewes (lots) - -	27	77 0 0	10	—
Wool - -	14	—	5	—
Implements (lots) - -	13	—	—	—
Total -	168	251 0 0	29	—

The show was attended by 305 persons, exclusive of members of the Society, herds, and care takers.

The Winter Show of Fat Stock, Farm and Dairy Produce, and Poultry was held on the 13th of December and two following days.

The show was visited by His Excellency Earl Spencer, and was attended by 1,198 persons, exclusive of the members of the Society, herds, &c.

The following table shows the principal features of the exhibition:—

Description.	Entries.	Money.	Medals.	Certificates.
		£ s. d.		
Fat stock - - -	61	175 0 0	—	—
Sheep (lots) - -	18	31 10 0	—	—
Swine (lots) - -	10	22 10 0	1	—
Poultry (lots) - -	311	74 0 0	—	—
Implements (lots) -	21	—	—	—
Butter, honey, frieze, and wool - - -	38	17 5 0	5	—
Cereals - - -	42	9 0 0	—	—
Turnip and mangold-wurtzel and pulse -	22	9 0 0	—	—
Herbage plants - -	4	4 10 0	—	—
Bulbs, tubers, and roots -	147	39 10 0	1	—
Fibre-yielding plants -	9	9 0 0	—	—
General collections - -	4	3 0 0	—	—
Collections from public institutions - -	4	—	3	—
Total - -	691	394 5 0	10	—

Flax Cultivation in the South and West of Ireland.

The committee appointed jointly by the Royal Dublin Society and Royal Agricultural Society for administering the parliamentary grant for this object, have reported:—1st. That although the sum voted was 1,000*l.* less than in the preceding year, and consequently a less number of flax instructors were employed over a much more contracted area, yet a considerable increase of flax has been in cultivation in the south and west of Ireland, as compared with the acreage of the preceding year. 2nd. That such increase is confined to those Poor Law unions supplied

Appendix H. — Report of Royal Dublin Society.

with instructors by the joint committee. 3rd. That a remarkable decrease has taken place in the number of growers,—indicative that the growth of flax is extending to the larger class of farmers; and 4th. That the flax produced is superior to the most of that grown in the North of Ireland in the same year.

Agricultural Museum.

Agricultural Museum.

During the past year several valuable contributions have been received, consisting of models of cottages, plans of farmhouses, and of improved dwellings for small farmers and labourers.

A number of specimens of flax in the raw and dressed state have been contributed by the flax instructors sent into the South and West of Ireland to teach the people the mode of cultivation and management of flax.

The valuable collection of veterinary preparations have been newly mounted, and may now be consulted with advantage by students of the Veterinary Art.

The attendance of visitors at this Department numbered 18,590.

DEPARTMENTS OF THE FINE ARTS.

School of Art.

The number of students who received instruction in the School of Art during the year is as follows:—

Day classes -	males -	64
	females -	229
Morning and evening artizan classes	males -	214
	females -	28
Total - - -		535

The annual examination of the students in geometry and perspective, free-hand and model drawing for second and third grade prizes, was held on the 9th, 10th, and 11th March, at which 169 persons presented themselves for examination, of whom 105 were successful.

The national competition examination took place as usual in London in the month of March, to which 169 students sent 414 works for competition, when the following prizes were awarded:—1 gold medal, 2 silver medals, 2 bronze medals, and 5 prizes of books.

Payments were made on account of the prizes taken by 114 students of the artizan class.

The examination of the works executed in competition for the silver and bronze medals offered by the Society was held on the 23rd December, at which 19 silver and 11 bronze medals were awarded. One prize of 2*l.*, offered by Mr. P. Sheridan, carpet manufacturer, was also awarded for an excellent design for a carpet.

The meeting for the distribution of prizes to the successful students in the year 1868, presided over by His Excellency Earl Spencer, was held in the month of January, at which 627 persons were present.

The exhibition of the works executed by the students in 1869, was held during the Christmas vacation, which was attended by 1,206 persons.

Three free lectures on the Fine Arts were delivered in the month of May by Henry MacManus, Esq., R.H.A., which were attended by 285 persons, averaging 95 at each lecture.

In the month of June, a course of eight lectures on "Anatomy as applied to the Fine Arts," was delivered free to the public by the

Society's professor, Mr. Alexander MacAlister. This course was attended by 805 persons, averaging 100 at each lecture.

At the conclusion of the course an examination was held of such students of the School of Art who had attended the lectures, when the one first-class silver medal and two second-class silver medals were awarded.

ABSTRACT of the ATTENDANCE of the PUBLIC in the various DEPARTMENTS of the Society during the year 1869. General abstract of attendance.

	Number.	Totals.
Botanic Garden :—		
Sundays	172,600	—
Week-days	50,936	223,536
Natural History Museum	-	31,915
Examination for certificates of merit (candidates)	-	54
Lectures	-	4,804
Library	-	18,375
Evening meetings	-	777
School of Art (students)	-	535
Exhibition of works of art students	-	1,206
Agricultural museum	-	18,590
Agricultural shows	-	21,184
Meeting for announcing prizes at Spring show	-	167
Distribution of prizes to art students	-	627
Total	-	321,770

By order of Council,

(Signed) WM. EDW. STEELE, M.D.,

Jan. 13, 1870. Registrar.

Appendix I.

REPORT OF ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

APPENDIX I.

ROYAL ZOOLOGICAL SOCIETY of IRELAND.

REPORT OF THE COUNCIL.

Number of Visitors and Receipts.

During the year 1869 the number of visitors to the gardens and the receipts at the entrance gate were as follows :—

			£	s.	d.
1. Members	-	5,174			
2. Public schools	-	2,489			
3. Visitors at 6*d.*	-	24,448	611	4	0
4. Visitors at 1*d.*	-	103,624	431	15	4
5. Schools at 3*d.*	-	276	3	9	0
Total	-	136,052	£1,046	8	4

During the year preceding (1868) the corresponding numbers were—

			£	s.	d.
1. Members	-	4,129			
2. Public schools	-	1,859			
3. Visitors at 6*d.*	-	20,866	521	13	0
4. Visitors at 1*d.*	-	100,146	417	5	6
Total	-	127,000	£938	18	6

Subscriptions.

The total amount of subscriptions received in the year 1869 was 369*l.*, while that received in 1868 was 343*l.*, showing an increase of 26*l.*

In the animal provision account a sum of 828*l.* 14*s.* 6*d.* has been expended, which is 59*l.* less than that expended last year, although the animals have been equally well fed and cared for. The chief credit of this economy is due to the exertions and constant supervision of your superintendent Mr. Edward Carter.

Number of Visitors.

The following table showing the numbers of the visitors each year from the foundation of the gardens in 1832, will interest the numerous friends of the society.

Year.	No. of Visitors.	Year.	No. of Visitors.
1832	36,497	1851	66,160
1833	37,680	1852	92,096
1834	64,647	1853	78,049
1835	46,487	1854	114,238
1836	43,209	1855	95,389
1837	41,479	1856	122,518
1838	34,469	1857	136,859
1839	53,768	1858	150,113
1840	29,262	1859	156,701
1841	97,405	1860	140,663
1842	109,706	1861	125,715
1843	89,706	1862	132,771
1844	111,341	1863	115.652
1845	132,485	1864	136,787
1846	111,865	1865	127,523
1847	88,685	1866	111,789
1848	66,167	1867	125,010
1849	64,328	1868	127,000
1850	60,276	1869	136,052

The relative proportions of various kinds of animals kept in the gardens from time to time, may be seen from the following table of stock of mammals, birds, and reptiles, taken in various years. Stock of animals.

Year.	Mammals.	Birds.	Reptiles.	Total.
1833	64	73	2	139
1834	76	128	4	208
1838	81	135	—	216
1862	58	162	3	223
1869	143	219	25	387

From the foregoing table it is evident that the number of animals exhibited in the gardens has been continually increasing, and that they now offer to visitors a much greater opportunity for study and observation, than at any previous period.

The council are happy to be able to report that the health and condition of the animals exhibited in the gardens are excellent and that the casualities arising among them from disease are fewer than is usual among similar collections.

The success that has attended the efforts of the council in breeding the larger carnivores is especially remarkable, and may be estimated from the following list of lions bred in the Dublin Gardens since the year 1857:— Success in breeding carnivora.

List of the Lion Cubs Bred and Born in the Dublin Gardens. Lion cubs.

No. of Litter.	No. in each Litter.	Sex. M.	Sex. F.	Date.
1	1	—	1	Nov. 17, 1857.
2	4	2	2	Sept. 20, 1858.
3	5	4	1	Sept. 8, 1859.
4	4	1	3	May 18, 1861.
5	*a* 3	1	2	Dec. 7, 1861.
6	4	4	—	May 30, 1862.
7	*b* 3	—	3	July 8, 1862.
8	4	1	3	Aug. 3, 1863.
9	*c* 4	1	3	Sept. 5, 1863.
10	5	—	—	April 2, 1864.
11	*d* 5	—	—	April 3, 1864.
12	4	2	2	Oct. 3, 1866.
13	5	2	3	June 16, 1867.
14	*e* 6	5	1	Jan. 4, 1868.
15	*f* 5	2	3	Aug. 5, 1868.
16	*g* 5	3	2	April 18, 1869.
17	*h* 3	1	2	May 24, 1869.
Totals -	70	29	31	

a All born prematurely, one dead, two others died next day.
b One died September 1, 1862, had been weakly from birth.
c One born dead.
d One died soon after birth.
e Two males died within their first week after birth.
f One died soon after birth.
g One female cub was either born dead or died immediately after birth.
h This litter, though born, was not bred in the gardens, as the lioness was in young when purchased—of her three cubs the two females died, one 29th June, the other 1st July; the remaining cub, male, was reared by hand.

The new Carnivore House has been stocked with lions, leopards, and pumas during the course of the year, and proves admirably adapted to the purposes for which it was intended. In point of light, air, and warmth, it rivals the old Carnivore House, placed beside it, and which has proved so successful. New buildings.

Appendix I.

REPORT OF ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

The new aquarium also was opened during the course of the past year by their Excellencies the Lord Lieutenant and the Countess Spencer, to whom the council desire to express their best thanks for the kind interest they have constantly shown in the prosperity of the gardens.

Water supply.

The best thanks of the society are also due to the Corporation of the City of Dublin for the liberality they have displayed in furnishing an abundant supply of pure water from the vartry for the use of the animals in the gardens.

The arrangements made by the council for the filtering of the sea water supplied to the new aquarium are now completed, and when the return of Spring shall enable the council to stock the sea-water tanks with fish, and Zoophytes from Dalkey and Howth, it is expected that the aquarium of the Dublin Gardens will yield to none in Europe, in the variety and beauty of its interesting inhabitants.

Earl Mayo's gift of an elephant.

Through the kindness and liberality of his Excellency the Earl of Mayo, Governor-General of India, a fine elephant named "Marksman," 6 years old, and measuring 5 ft. 10 in. high, was shipped as a present to the Dublin Gardens from Calcutta, on the 22nd March last. This fine animal whose native name was "Behuree Loll," was captured on the 7th January 1868, in the Surrundur Jungles in the Maughur Ghattee District, in the Tributary Mehals with a herd of 56, by the late Cuttack Khedda Establishment.

The herd, consisting of 56 elephants, was discovered in the above-named jungles on the 31st December 1867, and the whole herd was captured on the 7th January 1868. Marksman's mother was captured with the herd, and by her side she had a calf one year old. Both mother and calf died shortly after their capture, and poor "Marksman" himself died also on his passage to England about one month after leaving Calcutta in the good ship "Carlisle Castle."

Your council deeply regret his loss, but feel that their obligations to the Earl of Mayo, the Irish Viceroy of India, are as great as if his kind intentions towards the Dublin Zoological Gardens had been completely fulfilled.

Scientific evening meetings.

Scientific evening meetings were held during the year (in March, June, and December), in conjunction with the Royal Geological Society of Ireland. These meetings were largely attended by the members of both societies, and it is promised to continue them in the corresponding months of the coming year.

At these meetings papers were read and discussed on the following zoological subjects:—

1. On the breeding of the large carnivores in confinement.
2. On the muscular anatomy of the three-toed sloth and banded armadillo.
3. On the breeding of the Cereopsis goose in the Dublin Zoological Gardens.
4. On the muscular anatomy of the marsupials.
5. On the arrangement and uses of the tendons of the hand and foot in various mammals, birds, and reptiles.

The materials used in the preparation of these papers were chiefly provided by the animals, living or dead, of the gardens of the society; and your council confidently expect, from a continuance of these scientific meetings a considerable development, of the scientific uses of your Zoological Gardens in aid of the study of comparative anatomy, which has been of late years too much neglected in Dublin.

SAMUEL HAUGHTON, Clk., M.D.,
12th March 1870. Secretary R. Z. S. I.

APPENDIX K.

Appendix K.

REPORT OF ROYAL HIBERNIAN ACADEMY.

ROYAL HIBERNIAN ACADEMY of ARTS, LOWER ABBEY STREET, DUBLIN.

REPORT of the COUNCIL for the YEAR 1868-69.

THE Council beg to present their annual report for the year just past.

There have been 10 general meetings and 16 Council meetings held since last 18th October.

Annual exhibition.

The annual exhibition only opened on the 8th of June, notwithstanding that every possible effort was made by the Council to open it an earlier period, as they are decidedly of opinion that the exhibition would prove more remunerative if opened during the months of March and April. It remained open for a period of 15 weeks, and during a large portion of that time the prices of admission were only sixpence by day and one penny in the evenings, but the attendance fell very short of what might have been anticipated from the general character and excellence of the works exhibited. The Council regret to state also that the sales of works were not numerous, although an example of liberal patronage was shown at the opening by His Excellency the Lord Lieutenant.

The following is an analysis of the attendance and receipts :—

		£	s.	d.
153	Season Tickets at 2*s.* 6*d.* each -	19	2	6
570	Admission „ at 1*s.* each - -	28	10	0
624	Admission „ at 6*d.* - -	15	12	0
14,654	Evening „ at 1*d.* - -	61	1	2
454	Catalogues at 6*d.* - -	11	7	0
2,128	„ at 4*d.* - -	35	9	4
	Care of Sticks - - - -	7	8	9
	Commission on sales - - -	27	0	0
		£205	10	9

There were 392 works exhibited, being somewhat less than last year, but there was a greater preponderance of large sized paintings.

Reduction of debt.

After paying all expenses a small surplus will remain. The debts of the Academy have been reduced, but a considerable portion still hamper the progress of the institution.

During the year, owing to the resignation of Mr. Catterson Smith, a new president had to be elected, and Mr. Thomas A. Jones was unanimously chosen for that office.

The Academy has had of late to deplore the deaths of some old and valued members, and during the year just passed has sustained another loss in the death of Mr. George F. Mulvany who for many years acted most efficiently as Treasurer, having previously filled the office of keeper.

Two new academicians have been elected during the year; Mr. Joseph Watkins (a sculptor) and Mr. John S. Butler (an architect). Messrs. Alfred Grey, W. F. Doyle, and Thomas Drew have been elected associates.

The Council have still to regret that there has been no augmentation of the small grant annually voted in aid of the Academy, and conse-

Appendix K.

REPORT OF ROYAL HIBERNIAN ACADEMY.

quently it still struggles under the weight of debt, and its officers have to give their services without any remuneration.

Life school.

The school of the living model opened for the winter and spring sessions on the 3rd November, and closed on the 9th April; re-opening for the special competition at the close of the exhibition. Average weekly attendance of students, 45. The visitors (masters) were Messrs. Thomas Bridgeford, Charles Grey, Thomas Farrell, and M. Angelo Hayes.

Antique school.

The antique school, under the superintendence of the keeper, Mr. MacManus, opened for the winter and spring sessions on the 3rd November, and closed on the 9th April; re-opening at the close of the exhibition. Average attendance of students weekly, 15.

Inspection and award of prizes and medals.

The inspector from the Department of Science and Art, Mr. Eyre Crowe, visited the Academy on the 30th November, and in conjunction with the president and keeper made the following awards.

For a drawing on chalk from the life. The silver medal.
To Mr. William Millard.

For a painting in oil from the life. The bronze medal.
To Mr. R. O. Farrell.

The presentation of the medals took place at a special general meeting held on the 7th December at which the honorary members and associates were present, and the works of the students were exhibited, numbering 63.

The following is the abstract of income and expenditure as furnished by the treasurer Mr. Thomas Bridgeford.

(Signed) JOSEPH R. KIRK.
WM. OSBORNE.
JOSEPH WATKINS.
} Members of Council.

Abstract of accounts.

GENERAL ABSTRACT of the ACCOUNTS of THOMAS BRIDGEFORD, Esq., R.H.A., TREASURER to the ROYAL HIBERNIAN ACADEMY, from the 1st of January to the 31st of December 1869.

Dr.

	£	s.	d.	£	s.	d.
To Balance indebted on the 31st December 1868				125	10	3
To Parliamentary grant				300	0	0
To receipts of annual Exhibition, viz.:—						
153 season tickets at 2s. 6d.	19	2	6			
570 day tickets at 1s.	28	10	0			
624 day tickets at 6d.	15	12	0			
14,634 evening tickets at 1d.	61	1	2			
464 catalogues at 6d.	11	7	0			
2,128 catalogues at 4d.	35	9	4			
Caring sticks, &c.	7	8	9			
				178	10	9
Commission, &c. on sale of pictures				12	15	0
Advanced by the Treasurer				7	17	11
				£624	13	11

Cr.

	£	s.	d.	£	s.	d.
By rent, taxes, and insurance				0	0	0
By repairs of building				0	0	0
By fuel, gas, and other lights				3	1	3
By annual Exhibition				153	15	8
By advertising and printing				36	13	0
By salaries, wages, and allowances				59	0	0
By life and painting schools				73	2	6
By books				1	0	0
By incidental expenses				32	19	2
By balance in bank	218	0	2			
By balance in the hands of the late treasurer's representatives	46	16	2			
				265	2	4
				£624	13	11

(Signed) THOMAS A. JONES, R.H.A., President.
M. ANGELO HAYES, R.H.A., Secretary.

APPENDIX L.

Appendix L.

REPORT ON THE FOOD PRODUCTS OF ST. PETERSBURG.

REPORT by ANDREW MURRAY, ESQ., on the FOOD PRODUCTS of ST. PETERSBURG.—June 1869.

67, Bedford Gardens, Kensington,
21 June 1869.

SIR,

IN compliance with the instructions of the Lords of the Committee of Council of Education that I should take advantage of being in Saint Petersburg, at the International Horticultural and Botanical Congress held there in May last, to make a report to their Lordships on matters useful to the Food Division of the South Kensington Museum, and to collect some samples in Russia for that division, I have now the honour to report as follows:—

I visited St. Petersburg as intended, and paid particular attention to its food products, especially in relation to the South Kensington Food Division and its requirements, with which Mr. Matchwick, the Curator of that Division had made me fully acquainted.

Agronomic Museum of St. Petersburg.

I consulted M. de Solsky, the gentleman in charge of the Industrial or Agronomic Museum of St. Petersburg, as to procuring specimens for South Kensington, and found that he was himself at that time engaged exactly on the same work as that indicated for me by their Lordships. The museum under his charge contained some interesting and curious specimens of what may be called abnormal food, only eaten on occasions of great scarcity, as lichens, and saw-dust cakes from the north, and different kinds of clay from central Russia, but the normal food was not represented; and M. de Solsky was engaged in procuring suitable illustrations of that kind of food for it, and he kindly insisted on being himself allowed to supply a set of them gratuitously to the South Kensington Museum, as a token of goodwill to that establishment.

Food products.

We went over the details together, and agreed as to what food products would keep and might be supplied as used, and what would not keep, and must be represented by models or artificial imitations. Caviare, for example, will not keep in any form. I understand that it has been tried again and again in the South Kensington Museum, and again and again it has dissolved into putridity. But there will be no difficulty in getting an artificial model made of it, both in its fresh and in its preserved states. M. de Solsky undertakes to see to this. The different kinds of bread, on the other hand keep sufficiently well (at any rate for a considerable time), and when they decay do not become offensive, and they can easily then be replaced.

Breads.

The breads resolve themselves practically into different modifications of three chief kinds. Tschernoi-chleb, black bread made of rye; kalatsch, white bread made of wheat, and of this the best kind comes from Moscow; and saika, white bread enriched with raisins or other accessories, equivalent to our buns or the Scotch "cookies."

Succades.

The succades are for the most part the same as those of London or Paris. It is in Moscow and the more purely Russian cities that any that are peculiar must be looked for; of these only a few are sold in the streets of St. Petersburg. M. de Solsky has kindly undertaken to pay some attention to procure a good series of these.

Ices.

Ices are made in great perfection in St. Petersburg. Those met with in London are all in common use there, and, in addition, I met with two which I do not happen to have tasted in England. One, a very good

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kind, made from or flavoured by the hazel-nut, and another, still better, a water ice made from the juice of the "clucva" or cranberry, (gathered after the berry has been touched by frost), sweetened and slightly flavoured with vanilla. In Russia this is much used for invalids, and it is well deserving of introduction into this country (or if already in use, of being more generally known and adopted), not only for the sick room, where its refreshing coolness and slightly sub-acid flavour is inexpressibly grateful to the fevered palate, but simply and selfishly for the benefit of the gastronome.

Beverages.

This is not the only use to which the clucva is put in Russia. Every visitor during the summer months must have noticed a great traffic in beverages carried on in the principal streets. Boys or lads with large glass ewers, which hold about half a gallon of some coloured liquid, haunt the corners of the streets or porticos of the buildings. The most common is a rose-coloured drink, which owes its colour and its virtues to the clucva. The others are lemonades and similar concoctions.

Vegetables and other provisions.

St. Petersburg is well supplied with fresh vegetables, but of course at the time of my visit they were either forced or brought from a distance. The buds on the trees were only expanding, but ripe cherries were being sold at the costermongers' stands in the streets, and asparagus appeared in some shape or other, every day at dinner, grown, as might be expected, on the blanching system, which is generally followed on the continent.

The great vegetable staple of the country, however, is the cabbage, which grows in great perfection, fine, large, solid, white, and crisp. It supplies a chief portion of the subsistence of the people all the year round. At the beginning of winter every family lays in a store. At that time the plants are cut down and chopped up or shred into thin slices. These are packed in barrels with vinegar and salt, and a certain amount of fermentation takes place, when the cabbage becomes a kind of sour crout. From these barrels a portion is taken as required and made with meat into a cabbage broth called "shtshi." This shtshi is the most characteristic national dish in Russia. With the mass of the people it is their daily food. Meat is cheap in St. Petersburg; as nearly as I could ascertain, only about half the price we pay in England, and consequently it is much more freely used. With the shtshi, or rather in the shtshi, there is always served a number of lumps of the boiled meat of which the bouillon is made. I have heard a "portion Anglaise" spoken of with good-humoured ridicule by our French friends. They would be more tolerant of it if they saw a Russian plateful. All northern nations consume a greater quantity of animal food than more meridional races. Every meal, every dish at every meal, forces this fact upon the visitor's attention in St. Petersburg. At a private house of course this is subject to modification, but the proof is best seen at the restaurants. There every plate contains twice as much as it would in England. For 40 kopecks (about 1*s.*), I had a plate of shtshi with three large pieces of meat in it, sufficient for any average Englishman to have made a copious dinner from; so that although St. Petersburg may to some be one of the most expensive cities in Europe, to others it may be one of the cheapest. The shtshi is of course of various degrees of excellence. When the fermentation in the barrel goes too far, as sometimes happens, the shtshi acquires some of the "high" flavour with which we are most familiar in the game season. This, however, is considered a blemish, not a virtue, and it is usually free from it. It also takes various shapes; in its more elaborate phases it is made to assume the appearance of green pea and similar soups, but in whatever shape it comes the sub-acid flavour is always more or less pronounced. In moderation this is agreeable, and as the shtshi is generally composed of very strong rich bouillon,

with only a moderate proportion of cabbage, it is no wonder that it is very good. To enable the consumer, however, to give it the degree of acidity which may suit his taste, (and when we remember how a liking for sour goûts runs through the east of Europe and Asia, from the fermented horse milk of the Tartars to the sour crout of the Germans, we shall not be far wrong if we suppose that a higher flavour is often preferred), a small dish containing sour cream (beautifully white and thick), is placed at his side, and a spoonful or two of this added to the shtshi suffices to convert a most excellent dish of brown soup, illustrated with cabbage, into what to the unenlightened perceptions of those not to the manner born may seem a sour and unpalateable mess.

Another little dish is sometimes placed alongside the sour cream. The Russians are great in accessories. As in their wars their skirmishers and Cossacks often achieved important successes, or averted serious defeats, so in their dinners a well-timed and happily devised accessory often brings the pièce de résistance off in triumph, or saves it from condemnation. The accessory in the present instance is a very simple little thing, a substitute for bread. It is a small plateful of fried or roasted groats, eaten with a spoon, alternately with the shtshi. It is a refinement in gastronomy, which I recommend for experiment to the dilettanti. They may not think that it is worth the trouble, but I am sure that they cannot report that it is not good so far as it goes.

Music.

Another accessory of a higher strain, of which the Russians are fond, is music during dinner. This, among the upper classes, is instrumental music, as with ourselves; as we descend the scale a little, however, it takes another and what may be thought a more barbarous form. Every restaurant of any pretensions has a barrel organ in his place, to play whilst his guests are at meals, not, be it understood, a street organ called in and engaged to play by the hour, but a chamber instrument belonging to the proprietor. Wurzburg has a great renown for the manufacture of barrel organs. Most of those constructed there are made for the Russian market, and it is them that we see and hear in the restaurants. They are generally large handsome upright instruments, occupying the whole of the end of the room. One which I saw at a restaurant's named Palkin, had cost, I was told, 18,000 roubles (2,500*l.*), and if it would have frightened away Mr. Babbage by its music, it would certainly have attracted him by the ingenuity and intricacy of its machinery. There are scarcely more wheels in his calculating machine than in its inside, and the multitude and diversity of the instruments it imitates is not less extraordinary. In other organs we are accustomed to the braying of trumpets, the growling of bassoons, and the piping of clarionets, dulcimers, and sackbuts, but it is not in every organ that we hear the rolling of the drum, the thundering of the kettledrum, or the clashing of the cymbal. Every popular new air is at once added to its repertory. Before the public in London or Paris have well mastered the tunes in the last new opera, the best of them are grinding away in these taverns at St. Petersburg. As might be expected, a large room is specially set apart for storing the different barrels on which the tunes are set. The largest of these are as big as an Armstrong gun, and take a couple of men to carry them out and in.

One powerful vegetable, whose presence I had feared, garlic, was to my comfort, and somewhat to my surprise, kept in discreet obscurity. If it was present it was not allowed to obtrude itself.

Food products.

Another food product which figures largely in the consumption of the upper classes in St. Petersburg, mushrooms and fungi, deserves more attention than I have been able to give it. Of one thing, however, there is no doubt, and that is that all the chief species (I believe I might say *all* the species) used in this country also occur in greater

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abundance in Russia, and are equally prized there. The same fauna and flora, with variations arising from the gradual dropping off of some species and their replacement by other (new) species, extend across Europe and Northern Asia from the Atlantic to the Pacific ocean. The true mushroom (Agaricus campestris), the morel, and the Agaricus deliciosus, are the most generally used, but a great many others are freely eaten. M. de Solsky has undertaken to furnish me with a list of the edible fungi, which he either has or is procuring for his museum, as well as a similar one of the lichens. When this is received we shall be better able to contrast the Russian wealth with our own poverty.

Leaving the vegetables, and turning to the products which vegetarians treat as a transition between them and flesh,—milk and its phases, it appeared to me that the preparations of milk and curd were more various than in this country, but I had not the opportunity of obtaining information as to the details.

In cheese, however, Russia is without doubt making progress. A kind is now made so like gruyere that it is impossible to distinguish it from it, and it is sold as gruyere. A second quality in the same direction is called meschtschersky, and it too is not unfrequently passed off as gruyere.

Sour cream is a favourite accessory to many dishes. I have already adverted to its use with shtshi. It is used with pork as we use apple sauce. Pork in all countries seems to be regarded as a meat requiring some accompaniment of more or less piquancy. As with us, roast pork and apple sauce comes naturally to the tongue, with the Germans it is roast pork and sour crout, and with the Russians sour cream.

While speaking of pork I may mention that I took every opportunity to examine any hams or pork that came in my way for trichinæ, but I saw none. I was informed that the Government took especial precaution to prevent the spread or introduction of diseased meat, and there was every appearance that their precautions were successful.

The mutton in Russia is much inferior to our own, as it is in all the plains of the North of Europe. The beef and veal did not particularly attract my attention, so that I presume it is neither very good nor very bad.

Birds.

Of birds this was not the season to look for much variety. The red-legged partridge was common and cheap; although not equal to our own partridge it has still something of its excellence and is larger. One bird I saw plenty of alive, but none dead,—the pigeon. It occurs in great numbers in St. Petersburg, but is never eaten; it is a sainted animal to the Russians; I presume from some supposed connection with the Holy Ghost, and it would be sacrilege to kill one.

Fishes.

The fishes of Russia supply some of the most peculiar and best national food products. M. de Solsky is at present preparing to get a complete collection of stuffed specimens of all the species which are used as food in the Russian dominions, whether from the Baltic, the White, the Arctic, the Caspian, or the Black Sea, and he offers, if the Lords of the Committee of Council on Education desire to avail themselves of the opportunity, to cause a set to be made for South Kensington simultaneously with that for his Agronomic Museum. The cost of this for the latter is estimated at 100*l.*, and it would of course be the same for a set for South Kensington. If this is wished, M. de Solsky should be communicated with, without delay. It is plain that this is an opportunity which will not occur every year, and the knowledge that the two Governments take an interest in it may perhaps tend to make the collection more perfect than it would otherwise be.

I am not aware that any entirely satisfactory mode of preserving fishes for such purposes as those of the Food Division has yet been hit

upon. Of course no drying or attempt to preserve them as used is practicable, neither would preserving them in spirits, as is done for natural history purposes, answer. The plan adopted by M. de Solsky of stuffed specimens is better, but not free from objection. My own inclination is in favour of good models, and imitative manufacture has now been carried to such perfection that there need be no difficulty in getting perfect models of almost anything. The purpose of exhibiting these objects in Food Museums is different from that of Natural History Museums, and can be satisfied by a correct general resemblance without the power of examining their scientific specific characters minutely or in detail; and I think similar representations of smoked or dried fishes, and of the more celebrated species as they appear when cooked, would add to the interest of the collection.

Sterlet.

The sterlet is the fish par excellence of the entertainments of the rich, and is esteemed, and rightly esteemed, a great delicacy. It is a small sturgeon (*Acipenser Ruthenus*), about the size of a middle-sized pike, is a mud fish like the eel, and tastes something like it, but is more delicate in flavour and not so oily. The consistency of the flesh is like that of the thin part of the belly of the salmon, but white. As the phrase is, it has no bones; that is, the bones are gelatinous, like those of other cartilaginous fishes.

Of all the sturgeons this is the most widely distributed. It inhabits the Caspian Sea, the Black Sea, Lake Baikal, and the Arctic Sea, and most of the rivers that fall into them, but in none does it seem to be so abundant as in the Volga, where it is taken in immense numbers, especially at its mouth, at certain seasons of the year. It is not found in the White Sea nor in the Baltic, nor in any of the rivers falling into them, with the exception of the Neva; but it is said that its presence there and in Lake Ladoga is due to its having been introduced by the fishermen. It was also introduced into some of the Pomeranian waters by Frederick the Great. He introduced it into the Madüe Sea near Stettin, and into the town ditch of Kustrin; and Frederick the First of Sweden introduced it into the Malar Lake at Stockholm. I believe it is not now to be found in any of these introduced places, except the Neva and Lake Ladoga. More recent attempts have been made to introduce it again into Prussia, but without success. I see nevertheless no reason why we should not now, with our better knowledge of pisciculture, succeed in introducing it into any river in England or Europe that is adapted to its mode of life. Its wide distribution in the various countries above mentioned shows that climate will not be an obstacle. The fish that can accommodate itself to the Arctic Ocean and the Caspian and the Black Sea must surely do in our English lakes, rivers, or seas. In the Danube, where it occurs sparingly, but where its habits have been carefully observed by scientific naturalists, it has been found to hybridize very freely with other species of sturgeon; and although the intermediate forms arising from this hybridization at first puzzled systematists in determining the limits of the species, it has been well ascertained what these limits are, and when they have to deal with a species and when with a hybrid. I cite this as indicating a hardy constitution, not troubled with nice perceptions of delicacy or refinements of instinct, and therefore well adapted for manipulation by pisciculturists.

Every thing concurs to make it an easy subject for experiment. There need be no difficulty in transporting it, in fact it is transported alive daily for long distances. One of the most pleasing things about the fish supply of St. Petersburg is that you are always sure of getting your fish fresh; they are brought to the city alive in welled fishing boats; at the fishmonger's doors you see two or three large tubs in which the

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fish you are about to buy are languidly moving about, and at the restaurants' establishments humanity and gastronomy unite to prolong their lives to the latest possible moment. In the entrance hall or anteroom there is usually a large glass aquarium in which the fish swim about until they are wanted.

Notwithstanding their high price (in my restaurant's bill they stand at 3 roubles (8*s.* each), the sterlets must be brought to St. Petersburg in great numbers. There were always some in every fishmonger's tub and in every restaurant's aquarium. No dinner table is perfect without them. At the banquet given to the Horticultural Congress, where between 200 and 300 people sat down to dinner, an entire sterlet made its appearance upon every man's plate. Very large numbers must therefore be daily consumed in St. Petersburg, and a fishing vessel could easily bring over to this country several thousands in its well, to be turned loose wherever wished, but it must be kept in mind that we must not wish the place to be the Thames, for it seems that the sewage operations have poisoned its water to that degree that the fish in welled vessels are killed as soon as they come within its influence.

Their introduction by spawn would be still easier, as they spawn in the winter time. To succeed, however, the experiment must be tried on no stinted scale. When salmon breeding at Stormontfield and elsewhere was first tried, it did not succeed; it took steady persistence, and an enlarged scale of operations, to secure success. When these experiments were first thought of the belief was general that the salmon returned each to the river in which it was spawned, and the same opinion is still entertained by many. But I am as firmly convinced as I can be of anything of which the proof is necessarily negative, that there is no such instinct or habit on the part of the salmon. It sometimes does return to the mother river; there is nothing to prevent it, and as it is nearest the place where the young fish entered the sea it ought to ascend it in more instances than any other river; but when it does so, it is not from any instinct or preference for the mother river, but simply from its having loitered about near the mouth of the river, drifting about with the currents and tides, so that when it is time to ascend a river, the mother river is the first which comes to its hand.

The attempt to improve the salmon fishing of the Tay was thus practically rather an attempt to improve the salmon fishing of all the rivers round about, and if justice were done they should all contribute more or less to bear the expense. The sterlet is in the same category. It descends its river when young to the sea or lakes, and then again ascends to spawn. An attempt to introduce a fish of this kind is therefore almost like attempting to introduce a new sea-fish. We know that it is surrounded with difficulties, but that is no reason for not making the attempt. Although it has recently been tried without success in Prussia, no other explanation of the failure seems necessary than that the experiment was isolated and on a small scale.*

Sturgeon.

Nearly as important an introduction as the sterlet, perhaps even a more important one, would be the sturgeon itself. I select it out of

* Since the above was in type, I have, through the kindness of His Excellency General Zelenoi, the Minister of Domains in Russia, (who possesses extensive sterlet fisheries,) and of His Grace the Duke of Sutherland, in this country, (who has peculiar facilities for trying the experiment,) succeeded in making arrangements for giving the introduction of the sterlet into Britain a fair trial. General Zelenoi has undertaken to furnish a supply of fecundated ova, and the Duke of Sutherland has placed at my disposition for the experiment two of his lakes in Sutherlandshire. The transit of the ova from Russia to Scotland is the most difficult part of the task, and although I have made every possible arrangement for this too, so much in it depends on circumstances beyond any one's control, that I protest against success being taken as the measure of the value of the experiment, or of the skill and ability of the experimenters.

eight or ten other species found in the Russian dominions, because we know that it is perfectly suited to our waters, so much so that it may be said that its introduction is unnecessary, for we have it already. But this is a mere fashion of speech; we have got it in the same sense as we have got the Egyptian vulture or the Senegalese manatee, occasional specimens of all three have been got, but that does not make any of them British species. Every now and then a stray sturgeon from the shores or rivers of the continent (possibly from the Baltic itself) is captured in the British seas or in the estuaries of our rivers, but it is not a British fish. Did anyone ever hear of a sturgeon spawning in Britain? This has been assumed, but without warrant. Fleming, in his British Animals, says that "this fish is occasionally caught in the "larger rivers by the salmon nets in the summer season, having left "the sea for the purpose of spawning." But although it may have attempted to come into a British river to spawn, that is no proof that it succeeded in its attempt, and as the fish does not spawn in the summer time, when as Dr. Fleming truly says, it has generally been taken here, it is a wholly gratuitous supposition that it was coming to spawn at all. Moreover, I can find no instance of its ever having been taken any distance up any of our rivers; it is always in their estuaries or mouths that it is met with; neither can I find any instance of a young one ever having been taken. So much is this the case that a theory has been devised to account for their absence. "It has "frequently been remarked," says Yarrell, "that sturgeons of very "small size are seldom seen; by the kindness of Mr. George Daniell, "however, I possess a small specimen,"—(he does not say whence it came, or whether it was British or not),—"only 12 inches long, that is "quite perfect and exhibits all the characters of the mature fish." He then proceeds with a quotation, but without saying whence it is taken, as follows:—"It is presumed that the young, as soon as they "escape from the eggs which the female deposits in fresh water, "descend immediately to the sea and do not visit the places of their "birth again till they come in their turn again to deposit their spawn." But young specimens are common enough in the rivers where they do spawn. It is no doubt the erroneous belief that the sturgeon was to be regarded as a British fish that has prevented any efforts being hitherto made to introduce it.

There are various reasons which might be urged for trying to introduce the sturgeon even in preference to the sterlet. It is not so fine a fish, but it is a hundred times bigger, and every fish introduced would of course contribute so much more to the food of the people. 200 lbs. is no unusual size for a sturgeon; 1 lb. or 2 lbs. is liker the weight of a sterlet. Then the sturgeon will supply us with caviare which the sterlet may not. At present that delicacy cannot be tasted in perfection fresh anywhere nearer than the banks of the Volga. The preserved caviare which is be had in Britain (or even in St. Petersburg *after winter*), is not to be compared to the fresh caviare; and even the fresh caviare, although it keeps sufficiently well to allow it to be brought to St. Petersburg in winter, is not to be spoken of in the same breath as that freshly taken on the Volga itself. That is pronounced by experts to be the greatest delicacy in existence. All that I can say is that I would never have thought it. In the preserved state it is a bottle-green sort of moist granular paste, composed of pellets of roe as large as swan shot, and its taste is a good deal like that of any other fishy compound, anchovy paste for example. In the fresh state, the green pellets of roe swim in a rich gelatinous menstruum which disappears in the dried or compressed state.

There is another fish which is a favourite at St. Petersburg, called the "schnepel," which is cured and smoked, and tastes something between a fresh salmon trout and a kippared herring. I hesitate to

Schnepel.

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recommend its introduction into this country, because I was told it is the Coregonus fera, which inhabits many of our mountain lakes already. My impression is, however, that it is not the Coregonus fera, but more probably Coregonus lavaretus, or some other allied species. I have tasted the Coregonus fera at Loch Lomond, where it is called the powan, and it is a poor flavourless fish, while the "schnepel" is exceedingly palatable and rich. Without committing myself to an opinion on the species, on the mere strength of a gastronomic diagnosis, I have no hesitation in saying that it merits inquiry, and if the species is distinct then I have as little in saying that it ought to be introduced. This is not a fish which, like the salmon, the sturgeon, or the sterlet, would require the resources of a country or a river to naturalize. The monks (the Dei ex machina of every good introduction) are said long ago to have introduced an allied species, the vendace (Coregonus Willughbii) into Lochmaben, where it survives without trouble, to the present day. It does not require to go to the sea, at least neither the vendace nor the Coregonus fera does, and any proprietor through whose lands a mountain rivulet courses to a mountain lake could, at a trifling expense, himself, unaided, do all that is necessary to introduce it.

Caspian fish.

There are some fishes peculiar to the Caspian which may be deserving of attention, as the "berchenka" and the "vobla" (a cyprinoid fish), which are salted and dried and form articles of commerce. These will come within M. de Solsky's catalogue, but I cannot speak of their quality, and even although it were something extraordinary I am afraid it would be hopeless to think of introducing them or any other fishes from the Caspian into our own seas (our lakes are still more out of the question). No doubt the difference between the Caspian and them in saltness, density, specific gravity, and temperature is not very great. No doubt too the shells of the Caspian are still the same as those of the Black Sea and Mediterranean, as are those in superficial deposits left by the now dried-up seas which once united them with each other and with the northern ocean. No doubt a seal actually survives in the Caspian which is undistinguishable from the Phoca fœtida of the Greenland Seas. But for all that, the fishes peculiar to the Caspian would not bear the change. They have not borne it in the past, and the facts above mentioned are all reconcileable with their inability to stand the change. The mollusca are animals of a lower organization, and we all know that the lower we descend in animal life the more tolerant they are of change of condition of life; and even in the shells, those in the less saline parts of the Caspian Sea, and especially those near the mouths of the large rivers, have undergone more or less modification. The continuance of the seal unchanged, although a more highly organized creature, is due to a different cause, viz., that it is rather a land than a water animal so far as relates to this particular point. It does not breathe through the water, therefore an important element of change which affects the others does not apply to it. It would no doubt be a very interesting experiment, especially for the Darwinians, to try what would be the effect of transplanting some of the Caspian species into other salt waters, and I wish there were sufficient probability of success to allow some scientific man to recommend it as a promising mercantile speculation; I cannot.

The only other matter bearing on the food division, to which I directed my attention, is the drinks of Russia.

Beverages.

The water at St. Petersburg is said to be not altogether wholesome, at least to those unaccustomed to it. New comers who use it freely usually suffer at first from diarrhœa. This does not always affect strangers immediately, sometimes six months elapsing before the effects show themselves. As the strangers become acclimatized the effect wears off, but until that is effected the peculiarity of the water renders the nature and quality of the other beverages the more important.

The coffee when made by or under the superintendence of the ladies

of a household is not to be surpassed. Its making requires care and attention, and as these are two of the qualifications most difficult to procure in a Russian servant, it generally depends upon the lady of the house whether the coffee is good or not. The material is the same as elsewhere.

Tea.

The tea is very different from that used in England. The strong black high-flavoured congou from the south of China, which is most generally drunk in England, is almost unknown in Russia; and when by accident they have it (as by present from an English friend), they do not know how to use it; so the Englishman who wants what he calls a good cup of tea in Russia, must both take his tea with him and make it there himself. What they use is a light delicate flavoured tea from the north of China. Make the infusion as strong as you like, it would be impossible from it to produce a cup of tea as dark and black as ours. At the strongest theirs never seems to get beyond a light amber colour. A cup of tea of the colour of senna or coffee would revolt them. Hence when they have English congou, they regulate the strength of the infusion by the colour they are accustomed to see in their own, a standard which, to speak mildly, does not produce strong tea. But looking at their tea, not as ours, but as another species of the same genus, and altering our standard of excellence accordingly, then it has merits of its own not possessed by ours. Coming from the colder districts and more mountainous regions of northern China, it has not the strong aroma of that from the less elevated and hotter slopes of the south, but it has in its place a peculiar delicacy and refinement of flavour. Whether its physiological effects and chemical properties are the same in kind and degree I cannot say. I should say not, at least as regards degree. The Russian follows the practice of Dr. Johnson, and "with tea refreshes the midnight." His hours are late, and his last meal is usually a cup of tea. I did at Rome as the Romans do, and with impunity; which I am sure would not have been the case in England.

Fermented drinks, &c.

Of the fermented drinks there is, first, a poor beer called "quass," (I speak of course only of national manufactures; English porter, Edinburgh ale, Dublin stout, Burton pale ale, et hoc genus omne, are all to be had as exotic importations and at corresponding prices). It is manufactured from the remains of the rye used in making bread, is drumly and muddy, and has very much the taste and strength of what is known to housewives here as "treacle beer."

Apropos of rye, I may mention that the terrible disease of the hair, the Plica Polonica, ascribed to exclusively feeding on rye, seems to have disappeared. I could meet with no medical man who had ever seen it.

Hydromel, an undecided beverage of a mild character, is a fermented mixture of honey and water. It is not unlike what one would suppose rather flat and un-gingered ginger beer to be.

Vodka, strictly speaking, is a kind of whiskey or spirit of wine distilled from rye and usually much diluted: but the word is employed both in a general and particular sense. To take a vodka means to take a dram, as well as the spirit which constitutes the dram. It includes all sorts of liqueurs, and pre-eminently those kirchwassers and delicately flavoured ladies' drams which are known in Germany by the name of Gilkas. Gilka is a prosperous manufacturer of liqueurs in Berlin, who has acquired so much celebrity for his products that a first-class liqueur and "a Gilka" have come to be used as synonymous terms.

The practice of the Russians is to take a vodka before dinner, and along with it, by way of whet, a mouthful or two of caviare and bread, or sardines, or "shimaiah" (which if it is not a salt herring is an uncommonly good imitation of one), or anything of that sort. The older portion of the present generation may remember when something of the same kind (the preliminary dram at least), still survived in Scotland.

The guests saunter up to the sideboard or side table to take this before seating themselves. Strangers unacquainted with the custom may sometimes be misled by it. Such seemed to me to be the case with a large party of the recent Horticultural guests at St. Petersburg, who visited one of the imperial palaces on the Emperor's invitation. They were received by one of the Emperor's great officers, and in the room where he received them all the materials for a vodka were set out on a central table. The visitors mistook it for a standing luncheon, and their previous ride as well as the hour of the day having given them a good appetite, they seriously inclined themselves to do honour to it. To the amazement and amusement of the servants (I saw them interchanging comical glances), relays of caviare, of bread, of wine and liqueurs, and all the different elements of the vodka, were again and again supplied. A triple serried phalanx surrounded the table, and defied all efforts of the shy or the *sero-venientes* to penetrate it. It was not until its members had thoroughly appeased their hunger that slowly they relinquished hold of that vicinity to the table which had secured them the privilege of seizing a bottle over their neighbour's head, or stretching an arm to the good things upon the table. As they were breaking into open order, to their surprise they were invited to pass into another room where a banquet awaited them. If they were able to do it justice the virtues of the vodka as a whet must be greater than I imagined.

Wines.

Very different from the vodka, both in character and interest, are the wines of Russia. *That* is a subject which would furnish material for an instructive volume in itself. We all know that the Crimea, Bessarabia, and the Caucasus are becoming great wine countries, and that the manufacture has been much encouraged by the Government and the most enlightened nobles of Russia. Great care has been taken to procure the best vines from the best vine countries in France and Germany, and the most skilled labour has been imported from them to teach the natives how to make wine as it is made there. The result at first was not encouraging. In the first place the vines themselves lost their special qualities on being transferred to their new abode. The grapes had not the same taste, and as might be expected, the wine was not the same either. But the Emperor and Prince Woronzow were not discouraged. They persevered with their efforts, made fresh experiments, and gradually began to find out that although they could not make the old well-known wines at which they had aimed, they could make something else worth drinking. Some of this of course was better than the rest, and by process of selection and elimination the results are improving, care and experience are producing the usual effects, and the wines of these countries are gradually acquiring a distinct and new character of their own. What these characters are, and to what they are to be attributed, opens an interesting subject of inquiry to the vegetable physiologist and chemist, as well as to the practical man. I had no opportunity of entering upon it, and must content myself with hoping that some person with better opportunities and qualifications may ere long be induced to undertake it.

I have the honour to be, Sir,
Yours most obediently,
ANDREW MURRAY.

To the Director of the
South Kensington Museum.

APPENDIX M.

Appendix M.

Report on South Kensington Museum.

REPORT on the EDUCATIONAL OBJECTS in the INTERNATIONAL EXHIBITION of DOMESTIC ECONOMY at AMSTERDAM, 1869, by A. C. KING, Esq., Division Keeper of the Educational Collections of the South Kensington Museum.

SIR,

Building. THE International Exhibition of Domestic Economy at Amsterdam occupies a permanent building, erected a few years since in the outskirts of that city, near the terminus of the railway leading to South Holland and Germany. The building, which is chiefly of iron and glass, is in most respects well suited to its purpose, always excepting the staircases leading to the galleries. These are most inconveniently steep, no one can ascend them without fatigue, or descend without a painful feeling of insecurity.

Arrangement. As the exhibition is, avowedly, of objects of domestic economy, corresponding generally to Group X. of the Paris Exhibition of 1867, and has been organized by a Society for the promotion of practical industry, it would be unreasonable to look for costly and elaborate articles; one cannot, however, but regret the lack of beauty and artistic feeling apparent not only in many of the objects exhibited, but in their arrangement and grouping. Liberal space is assigned to the Exhibitors, and in some instances this space is filled by a great number of specimens of one object, for example, a kind of trophy of cheap earthenware, six or eight feet in diameter, is surrounded by a ring of some dozens, if not hundreds, of small and ugly cups or basins of the same size and colours, black and yellow, one inside the other. The desirableness of a regulation limiting the number of examples of any one object is very apparent, as also the necessity of the exercise of some control by a council or commission from each country over its exhibitors.

Grouping under countries. The system of grouping the objects exhibited according to countries has been followed as far as possible, but the lines of demarcation are not always clearly marked. Within these lines few attempts seem to have been made at further classification, and a search for any special class of objects is hence a work of some difficulty.

Catalogue. A Catalogue of the Exhibition has been issued in three editions, Dutch, German, and French, the price of each being 90 cents or 1*s.* 6*d.* This catalogue consists of 122 pages, bound up with 130 pages of Advertisements.

Classification. The classification adopted in the Catalogue is under seven divisions, which may be briefly enumerated as follows:—

Class 1. Buildings and building materials.
„ 2. Furniture, heating, lighting.
„ 3. Clothing.
„ 4. Food.
„ 5. Implements, machinery.
„ 6. Education.
„ 7. The literature of Associations for the benefit of the working classes.

Countries represented. Each of these classes is subdivided in the Catalogue, according to the contributory countries, the names of exhibitors from each country being in alphabetical order. It will not be without interest to note the countries represented in the Exhibition. These are as follows, taking the order of the Catalogue:

Holland.
Belgium.
Germany:
Germanic Confederation of the North (Prussia, &c.).
Baden.

Germany—*cont.*
Bavaria.
Hesse Darmstadt.
Wurtemberg.
Austro-Hungarian Empire.
Switzerland.
Italy.
France.
Great Britain and Ireland.
Denmark.
Sweden.
Norway.

Educational Division, Class VI.

It is with Class VI. that my mission to Amsterdam is chiefly concerned. The full heading of this Class in the Catalogue is "Class VI. "Moral, intellectual, and physical development. *Books, Music, and "Musical Instruments, Gymnastics, Games.*" Two hundred and thirty-eight entries appear under this class, namely:—

Holland	110
Belgium	35
Germany	17
Switzerland	2
France	57
England	9
Denmark	6
Sweden and Norway	2

As, however, several objects which could not with propriety claim admission in other classes have been received here, and as all examples of books, bookbinding, pens, ink, pencils, engraving, photography, &c., are also included, the number of strictly educational appliances is considerably less than this table would appear to indicate.

Class VI. HOLLAND.

In the portion of the Exhibition occupied by Holland the main strength of this Class consists in the results of the industrial and art teaching of the various schools of Amsterdam, and the other large towns of the country.

Education in Holland.

The system of public instruction in Holland has for more than half a century attracted the attention of other countries, and has from time to time been reported on by several distinguished writers. In 1811, the year in which the National Society for promoting the education of the poor was established in England, the great naturalist Baron Cuvier, who had for some years taken a prominent part in the organization of a system of education for France, presented to the University of France a report on Dutch popular education, the result of a visit to Holland he had been deputed by that body to make in company with M. Noel.

Report by Baron Cuvier.

By M. Victor Cousin.

In 1836 M. Victor Cousin also visited Holland with the object of continuing a course of inquiries, in which he had long been engaged, into the different systems of education among the great civilized nations of the world, and he subsequently published a narrative of this journey, which was at once translated into English by Mr. Leonard Horner, who published it in 1838 with preliminary observations and appendices, including a translation of Baron Cuvier's Report, as an important contribution to the literature of public education, to which the attention of English statesmen was just then specially directed.

Translated by Mr. Leonard Horner.

Report by Mr. Matthew Arnold.

The next important Report on Public Education in Holland is that of Mr. Matthew Arnold, who in 1859 was appointed by the Royal Commission for inquiring into the state of popular education in England an Assistant Commissioner to inquire into and report on the state of popular education in parts of continental Europe. This report is contained in Vol. IV. of the report of the Commission, issued in 1861. Mr. Arnold quotes largely from the two French reports already

mentioned, and carries on the history of education in Holland to the date of his visit, giving a most interesting and suggestive account of the then recent discussions in the Dutch Chambers on the question of religious teaching in schools, together with statistical tables of the results of the system in the year 1857..

The "Society for the Public Good."

All these reports do homage to the vast benefits resulting from the Charitable Association called the Society for the Public Good (*de Maatschappij tot Nut van't Algemeen*), founded in 1784 by the exertions of a clergyman in North Holland. This venerable society, which is in some respects analogous to our own still more venerable Society for Promoting Christian Knowledge, has branches throughout Holland and its colonies. It makes grants towards the establishment and support of schools, provides for their due oversight by means of its local subscribers, and publishes and circulates among the common people useful elementary works, chief among which is its Almanac, dating from the earliest years of the society. Its influence for good with the various governments of the country has been great, and to it may be attributed the remarkable position which for many years popular education in that country held in advance of other continental states. One is not unprepared to learn that this society was among the successful claimants for the new order of reward at the Paris Exhibition of 1867.

Its publications.

A case of the publications of the society occupies a prominent position in one of the galleries of the Exhibition, and near the centre of the nave stands a large case appropriated to the exhibition of the work of various kinds executed by the pupils of a school for girls (*Industrieschool vor vrouwelijke jeugd*), established in Amsterdam mainly at the cost of this society in 1865, and still aided by annual subsidies. This is really an industrial day school for girls who have already received some elementary instruction. Pupils are admitted between the ages of 12 and 16, and the course extends over three years, a fourth being sometimes added. The hours of study are from 9 to 1 and from 2 to 4, except on Saturday afternoon, averaging 34 hours per week, and the school fee is 25 florins (2*l.* 1*s.* 8*d.*) per annum. The programme comprehends, in addition to ordinary subjects of instruction, the elements of physical sciences, book-keeping, plain and ornamental needlework of all kinds, the use of various sewing machines, knitting, straw plait, drawing, lithography, and the elements of Latin and Pharmacy; these last being designed for those pupils who aim at becoming students of pharmacy, or, as we should term them, chemists' assistants, a vocation which does not seem to be viewed in Holland as unsuited to a female. The school is very successful, its scholars number 140, and the annual cost is stated to be 10,000 florins (833*l.* 6*s.* 8*d.*). The results exhibited consist of needlework in every form, from simple hemming to elaborately finished and decorated dresses and embroidery, straw plait made up into hats and bonnets, lace, wool work, and an interesting collection of dressed dolls, representing the various costumes of the country. All these articles are ticketed for sale, and as the contents of the case vary from day to day, they appear to find a ready market. On the wall near are drawings from models, casts, fruit, flowers, &c., free hand and perspective. It is stated that five governesses and seven professors, aided by the more advanced pupils, take a share in the instruction given. In London such an institution might appropriately bear the name of the Working Women's College, corresponding to the Ladies' College in Harley Street, which is intended for the education of girls of a higher social grade.

Girls' school founded by this Society.

Results of teaching in public schools in Holland.

One large corridor or aisle of the building is assigned to the exhibition of the works of pupils in the public schools of Holland, and a considerable share of this space is appropriated, according to the Catalogue,

to Dr. D. J. Steijn Parvé, an inspector of secondary instruction, under whose name is shown a very extensive collection of chalk drawings from models, designs for elevations, and details of buildings, modelling in clay and terra cotta for architectural decoration, wood carving and models in wood, executed by the scholars in the various *Burger Scholen* or schools for the working classes over which his surveillance extends. Some of these schools are old foundations, but the greater number of them have been established in accordance with a law passed on the 2nd May 1863, whereby provision is made for the extension of secondary or technical teaching in Holland by the establishment of day and evening schools (*Burgerdag-en avondscholen*) at the cost of the communes in which they are situated. As recent institutions their promoters are naturally anxious to prove that they are doing their work well, and advantage was eagerly taken of the opportunities offered by this exhibition of showing the results of the new system. It is, I venture to observe, a matter for regret that the exceptional nature of this large collection of drawings was not more clearly shown. A few explanatory labels in bold type in Dutch and French would have added considerably to its public interest. As it was, its purport was not readily discovered, a small and obscure numbered ticket alone referred to a brief entry in the Catalogue, and I have heard the managers of the Exhibition censured for having resorted to the expedient of collecting these drawings in order to cover their otherwise bare walls.

More than 40 establishments contribute to this collection, and it is interesting to notice that although they are all subject to the visits of the same inspectors, each school is permitted, within certain limits, to follow out its own special course. This gives individuality to the contributions. One school is distinguished for its architectural elevations and sections, another for its drawings and models of machinery, another for its wood carving, another for its modelling in clay and terra cotta for architectural decoration.

Plaster casts for drawing models.

Besides this vast collection of drawings there is also exhibited, under the name of Dr. Steijn Parvé, a collection of drawing models in plaster, the moulds for which have recently been acquired at considerable trouble and expense for the use of the various schools. These form three series, comprising 281 models, costing together 380 florins (31*l.* 13*s.* 4*d.*). As may be supposed, these models consist mainly of the familiar friezes, griffons, acanthus leaves, masks, busts, &c., of our own schools of art, with these occur some few new subjects, chiefly reproductions of modern work.

Drawing board used in schools.

A drawing board shown near these models struck me as simple and convenient, so simple indeed that I hesitate to describe it, lest it should turn out to be well known and commonly used in this country though new to me. It was merely a plain board 2 feet high by 18 inches wide, with a slight ledge at the bottom, and fixed by hinges at the top to a framework about 2 ft. 6 in. high, resembling the back support of an easel, the lower extremities of this back support being furnished with spikes. The student seated on a low stool with the board resting in his lap can shift his position, or alter the angle of his drawing, with the utmost ease, and when not in use the board and its support lie perfectly flat, taking very little space.

The institution "Mathesis Scientiarum Genetrix" of Leyden.

By the side of the works of the newly established schools of art appears a very large collection of the results of the teaching of the old educational institution at Leyden, founded in 1785, and bearing the quaint appellation of *Mathesis Scientiarum Genetrix*. This collection comprises no less than 1,400 architectural designs and models and 700 other drawings, the selected work of the pupils in the schools of the institution for some years past. These drawings are mounted on coarse brown millboard, leaving a wide margin, and are contained in several

iron portfolio stands of cheap construction, open at an angle of about 90 degrees. Thus the drawings can readily be examined and turned over without risk of injury, that is, of unintentional injury.

Hitherto I have spoken of results rather than aids to education, as shown in the Dutch section of the Exhibition, and indeed I find that I have noted very little as calling for remark under the latter head. A few school desks without number or label, and presenting no especial features of novelty or excellence, were the only instances of school furniture that I met with. A set of raised maps of the provinces and colonial possessions of Holland, made and exhibited by the Institution for the Blind at Amsterdam, must not be passed over without notice. These are each about 18 inches or 2 feet square, the land being boldly and sharply embossed about one-sixth of an inch above the water, and the important rivers marked by channels of the same depth. Metal knobs of sizes varying according to the population indicate the towns; the railroads are marked by lines of metal, and a metal scale of distances is affixed. Thus the chief physical and political features of a country are perceptible to the touch of a blind person, and as the minor details are printed on the map in ordinary characters one can readily conceive how interesting to a blind pupil a skilful teacher could by its aid make a lesson of geography.

Maps for the blind.

Passing from Holland in the Exhibition we first arrive at the neighbouring country of Belgium. Here again it is the results of education as shown by the *Ecole professionelle des jeunes filles à Bruxelles*, that chiefly call for notice. I was not fortunate enough to obtain any particulars relating to this school. The drawings, models, and ornamental needlework it sends are highly creditable, and the taste displayed is in advance of the sister establishment in Holland to which I have already referred. Good examples of printing and chromo-lithography by various firms are shown. In the latter art Belgium holds a high position, and I understand that many of the illustrations in English books on archeology, &c., are executed in that country at a cheaper cost than would be possible at home.

BELGIUM.

Germany I regret to find sends very little calling for notice. From Wurtemberg a collection of drawing models in plaster, similar to those presented to the South Kensington Museum by the Wurtemberg Commissioners of the Exhibition of 1862, is sent by the *Königlich Wiirtembergische Centralstelle für Händel* at Stuttgart.

GERMANY.

France sends numerous examples of educational books; conspicuous among these are the publications of the firms of L. Hachette et Cie., Veuve Eugène Belin, Morel, and Gauthier Villars, all of Paris; and the great printing house of Mame of Tours. Perhaps the most attractive spot in the Exhibition from an artistic point of view is a portion of the gallery where the wall is covered by the admirable lithographed copies for drawing published by Goupil et Cie. of Paris. The maps exhibited by Laurecisque and by Silbermann of Paris deserve notice. *Les Frères de la Doctrine Chrétienne*, of Passy, near Paris, contribute illustrations of their method of teaching and of its results. The works of some of the teachers, modestly distinguished by an initial only, seemed to me to be of unusual excellence. I trust they will be among the contributors to the forthcoming Exhibition in London. Although somewhat lacking in arrangement it appeared to me that France, among the foreign exhibitors in this class, has most worthily responded to the invitation of the promoters of the Exhibition.

FRANCE.

The Christian Brothers.

Among the nine exhibitors from Great Britain and Ireland who are placed in Class VI., I do not find anything calling for notice which is not already included in the collections at South Kensington.

GREAT BRITAIN.

Appendix M.

REPORT ON SOUTH KENSINGTON MUSEUM.

DENMARK, SWEDEN, and NORWAY.

Denmark, Sweden, and Norway, send nothing of importance in this class.

In concluding this report I must express my regret at having failed to find in the Amsterdam Exhibition any educational apparatus specially desirable for addition to the Educational Division of the South Kensington Museum. I fully expected that the various States of Germany would have furnished much that would be useful, but this was not the case, and, as I have already said, the contributions from Holland itself are illustrations of results rather than appliances in aid of instruction.

Suggestions as to future exhibitions.

The predominance of these illustrations of results suggests the question of the extent to which similar illustrations should be admitted to the Exhibition proposed to be held in London in 1871. Should it be decided to admit them at all, the limits to be fixed, and the arrangement and mode of exhibition to be adopted, will be matters for serious forethought and deliberation. I am inclined to recommend, at least for consideration, the method of exhibition on millboard, and in iron portfolio stands, which I have mentioned as adopted by the institution *Mathesis Scientiarum Genetrix* of Leyden.

The interest taken in the work of the Creusot Schools exhibited at Paris in 1867 is an argument in favour of including similar work in a future Exhibition, but the risk of being overwhelmed with numberless copy-books, exercises, &c., is almost enough to deter one from inviting contributions from the managers of the schools of Europe.

I have the honour to be,
Sir,
Your faithful servant,
ALFRED CHAS. KING,
Division Keeper of the Educational Collections,
Sept. 27, 1869. South Kensington Museum.

Accompanying printed papers.

With this report I send a copy of the French edition of the Catalogue of the Exhibition, and two copies, one in the Dutch language, the other in French, of a treatise on the organization of middle schools for the working classes in Holland, with a notice on the teaching of Drawing in these schools.*

* These have been placed in the Educational Library of the South Kensington Museum.

APPENDIX N.

(1.) STATEMENT of the EXPENDITURE of the several DIVISIONS of the SCIENCE and ART DEPARTMENT of the UNITED KINGDOM, for the Period from 1st April 1869 to 31st March 1870.

SOUTH KENSINGTON MUSEUM.

Heads of Service.	Total Expenditure for the Year ending 31 March 1870.		
	£	*s.*	*d.*
Administration—Salaries and wages	9,212	3	3
„ Incidental expenses	260	12	3
Grants in aid—Science	22,098	10	4
„ Naval Architecture	2,175	14	11
„ Art	32,130	5	6
Preparation of papers, &c. for examinations	2,889	10	9
Inspection and examination	7,341	8	0
Travelling	4,342	5	0
Incidental expenses	373	10	2
South Kensington Museum—Salaries and wages	12,102	4	9
Police	4,323	14	1
Incidental expenses of management	916	9	8
Purchases for Museum and Libraries, Catalogues, &c.	17,975	16	10
Furniture and fittings	7,044	4	6
New permanent buildings	24,001	3	4
Alterations and repairs, including maintenance of the ground	8,109	8	1
Fuel and light	8,486	12	9
Incidents for the Museum	395	12	1
National Portrait Exhibition	385	14	0
Auxiliary Museum in the East of London	2,987	6	3
£	167,552	6	6

SCHOOL of MINES and GEOLOGICAL MUSEUM, Jermyn Street.

	£	*s.*	*d.*
Salaries and wages	4,326	13	10
Police	386	13	2
Purchase of specimens, models, books, &c.	1,148	0	9
Prizes and scholarships	640	0	0
Rent	883	3	8
Rates	423	6	0
Furniture, fittings, &c.	514	12	8
Fuel and light	530	12	9
Travelling	100	0	0
Incidental expenses	416	12	11
College of Chemistry—Rent	391	10	0
„ Furniture and repairs	187	17	2
„ Fuel and light	143	2	8
£	10,692	5	7

Appendix N.

RETURN OF EXPENDITURE.

EDINBURGH MUSEUM OF SCIENCE AND ART.

	£	s.	d.
Salaries and wages	1,859	18	11
Police	538	0	3
Purchase of specimens, books, &c.	1,499	10	10
Fittings, repairs, &c.	1,398	10	11
Fuel and light	1,142	13	11
Travelling	198	1	3
Incidental expenses	614	0	8
£	7,250	16	9

ROYAL DUBLIN SOCIETY.

	£	s.	d.
Salaries and wages	1,319	8	9
Printing and stationery	407	16	4
Incidental expenses	451	12	9
Botanic gardens—Salaries and wages	1,265	1	8
,, Incidental expenses	665	4	0
Leinster Lawn—Wages	198	6	10
Museum of Natural History—Salaries and wages	983	3	9
,, ,, Purchase, collection, and preparation of specimens.	550	0	0
,, ,, Contingencies	50	0	0
Library—Salaries and wages	553	7	9
,, Purchase of books	700	0	0
,, Incidental expenses, &c.	220	13	6
Purchase of premises	1,200	0	0
£	8,564	15	4

ROYAL COLLEGE OF SCIENCE, DUBLIN.

Heads of Service.	Total Expenditure for the Year ending 31 March 1870.		
	£	s.	d.
Salaries and wages	4,251	3	4
Purchase of specimens, books, apparatus, &c.	799	14	8
Laboratories	199	15	7
Prizes and scholarships	839	15	0
Incidental expenses	602	3	1
£	6,692	11	8

ROYAL HIBERNIAN ACADEMY.

	£	s.	d.
Royal Hibernian Academy	300	0	0
£	300	0	0

ROYAL ZOOLOGICAL SOCIETY OF IRELAND.

	£	s.	d.
Royal Zoological Society - - - - - -	500	0	0
£	500	0	0

GEOLOGICAL SURVEY OF THE UNITED KINGDOM.

	£	s.	d.
England—Salaries - - - - - -	9,935	9	8
„ Travelling - - - - -	1,610	7	0
„ Incidental expenses - - - -	279	12	8
Scotland—Salaries - - - - -	2,273	19	4
„ Travelling - - - - -	338	4	8
„ Incidental expenses - - - -	225	5	5
Ireland—Salaries - - - - -	3,237	5	1
„ Travelling - - - - -	638	11	7
„ Incidental expenses - - - -	252	11	7
£	18,791	7	0

SUMMARY.

	£	s.	d.
Science and Art Department, South Kensington, including administration and new permanent buildings.	167,552	6	6
School of Mines and Geological Museum, Jermyn Street -	10,692	5	7
Edinburgh Museum - - - - - -	7,250	16	9
Royal Dublin Society - - - - -	8,564	15	4
Royal College of Science - - - - -	6,692	11	8
Royal Hibernian Academy - - - - -	300	0	0
Royal Zoological Society - - - - -	500	0	0
Geological Survey of the United Kingdom - - -	18,791	7	0
£	220,344	2	10

A. L. SIMKINS,
Accountant.

(2.) Summary of Expenditure of the Science and Art Department to 31st March 1870.

Heads of Service.	For Year ending 31st March 1870. General Management.	South Kensington.	Schools in Connexion.	Totals of each Class from 1861 to 1870.	Totals from 1853 to 1860. See Report of Select Committee on South Kensington Museum.	Grand Totals from 1853 to 1870.
I.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.
1. Science Schools, Schools of Naval Architecture, Art Schools — Salaries and Aid to Masters	- - -	- - -	22,098 10 4 2,175 14 11 32,130 5 6	278,245 7 11	94,829 14 11	373,075 2 10
2. Inspection and Examination.	- - -	- - -	7,341 8 0	39,389 18 1	12,494 2 3	51,884 0 4
3. Prizes, Instruments, &c.	Included in No. 1.			12,490 1 1	13,799 3 4	26,289 4 5
4. Preparation of Diagrams, Examination Papers, &c.	- - -	- - -	2,889 10 9	11,872 2 10	- - -	11,872 2 10
5. Travelling Expenses	- - -	- - -	4,342 5 0	26,186 5 4	12,577 0 4	38,763 5 8
6. Grants in aid of building Schools.	Included in No. 1.			4,207 17 2	- - -	4,207 17 2
7. Incidents	- - -	- - -	373 10 2	2,393 7 3	- - -	2,393 7 3
II.						
8. New Buildings	- - -	24,001 3 4	- - -	208,260 0 9	23,480 5 0	231,740 5 9
9. Works and Repairs	- - -	8,100 8 1	- - -	76,352 5 6	17,639 2 4	93,991 7 10
10. Furniture	- - -	7,044 4 6	- - -	19,792 16 1	- - -	19,792 16 1
11. Removal of Auxiliary Museum.	- - -	2,987 6 3	- - -	9,873 0 1	- - -	9,873 0 1
12. Fire and Gas in Museum	- - -	8,486 12 9	- - -	49,996 1 2	7,615 14 11	57,611 16 1
13. Police Attendance	- - -	4,323 14 1	- - -	28,489 18 5	1,786 17 3	30,276 15 8
14. Salaries, South Kensington Museum.	- - -	13,018 14 5	- - -	91,890 12 6	24,837 5 9	116,736 18 3
15. Wages of Attendants						
16. Advertisements and Printing.	Included in No. 24.			7,703 9 4	3,740 15 5	11,444 4 9
17. Incidents	- - -	395 12 1	- - -	3,570 7 11	3,498 1 9	7,068 9 8
18. Catalogues	Included in No. 24.			5,648 15 7	835 4 9	6,484 0 4
19. Keeping Grounds, Roads, &c.	Included in No. 9.			5,149 12 8	841 2 1	5,990 14 9
20. Photography	- - -	- - -	- - -	3,579 0 7	1,264 2 6	4,843 3 1
21. National Portrait Exhibition.	- - -	385 14 0	- - -	15,210 11 9	- - -	15,210 11 9
III.						
22. Examples and Books, &c.	Included in No. 1.			94,501 14 1	87,211 15 6	181,713 0 7
23. Collections (Educational Museum).	Included in No. 24.			2,678 5 2	3,455 8 5	6,133 13 7
24. Purchases for Museums and Libraries.	- - -	17,975 16 10	- - -	92,483 15 10	- - -	92,483 15 10
IV.						
25. General Management	9,472 15 6	- - -	- - -	66,301 1 8	25,793 7 10	92,094 9 6
	9,472 15 0	86,728 6 4	72,101 4 8	1,156,335 8 9	335,699 4 4	1,492,034 13 1
	£167,552 6 6					
	£178,214 0 0					

A. L. Simkins, Accountant.

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